



Alaska Rural Primary Care Facility Needs Assessment

Volume III
Alaska Primary Care Data System

A light gray silhouette map of the state of Alaska is positioned at the bottom of the page. The words "Final Report" are written in a large, bold, dark blue font across the center of the map.

**Final
Report**

**ALASKA RURAL PRIMARY CARE FACILITY
NEEDS ASSESSMENT PROJECT**

FINAL REPORT

VOLUME III

**ALASKA PRIMARY CARE DATA SYSTEM
TECHNICAL DOCUMENTATION**

Prepared for:

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Alaska Rural Primary Care Facilities Needs Assessment Volume III: Technical Documentation

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ALASKA PRIMARY CARE DATA SYSTEM VOLUME III: TECHNICAL DOCUMENTATION

OVERVIEW

This is the third and final volume of project documentation for the Alaska Rural Primary Care Facility Needs Assessment Project completed in October 2000. This volume is intended for the Program Manager and Database Administrator as technical documentation for the Alaska Primary Care Data System (APCDS). This web-enabled System contains the following core components:

- The Alaska Primary Care Database (APCD) that contains all questionnaire response data and data from multiple external resources,
- An ad hoc query tool that enables Primary End Users to create unique queries into the APCD to generate a variety of reports,
- A Geographic Information System (GIS) that provides graphical analysis of data and
- Linkages to other relevant database resources.

The APCDS provides both standard and ad hoc query reporting capabilities. The various standard reports, such as the Unmet Need report, are static reports in read-only format with limited access depending on the User's security level. Ad hoc queries enable the Primary End Users to create a wide variety of unique reports depending on their specific area of interest. This was very important as the Primary End Users are from a wide variety of interest groups; i.e., facility and sanitation engineers and rural healthcare professionals. The robust query tool allows queries to be saved and recalled as well as the ability to electronically share with other Primary End Users.

The Database Administrator will maintain the APCDS. This Volume contains vital information for system maintenance and updating the data content. When updating the database, the Database Administrator is strongly encouraged to review Sections B.1 APCDS and APCD Installation Procedures and C.3 APCD External Data Source Contacts and Information. The latter contains not only the external data source contacts to obtain current data, but it also contains cautionary information to the Database Administrator regarding each external resource prior to automatically downloading refreshed data into the APCD.

For the duration of the project there was a web site, <http://ruralhealthcare.geonorth.com>, where both project team members and the general public could access information depending on their security level. There were two elements, the Project Issues Tracking System and GeoCalendar, that the consultant provided as part of their project management products. Once the project was completed and turned over to the Alaska Native Tribal Health Consortium (ANTHC) these two elements were deleted from the web site.

In September 2000 the Denali Commission selected ANTHC as the Program Manager for the APCDS and all rural primary care facilities related projects funded through the Commission. ANTHC is providing a database administrator who will maintain the APCDS. The four primary partners in the project are making arrangements that will provide full access to all data in the APCD by each organization. For data confidentiality reasons, other organizations and/or the general public will only have access to aggregate data summarized on a regional or service area basis.

The project web site, <http://ruralhealthcare.geonorth.com>, has recently been superceded by its new permanent site at <http://www.apcds.org>. As of this writing, the <http://www.apcds.org> site is under construction however will be available in the near future. Please contact the Program Manager at 729-3606 should the reader have questions related to the APCDS.

APPENDIX A.1.

APCDS REQUIREMENTS DOCUMENT

REQUIREMENTS DOCUMENT

for the

ALASKA PRIMARY CARE DATABASE,

APPLICATION and GIS

OVERVIEW

The scope of work for the Alaska Rural Primary Care Facility Needs Assessment project requires an application and database, entitled the Alaska Primary Care Database (APCD), to be designed and developed to provide the following:

- Questionnaire response database
- Linkages to, or downloads of, data from existing database resources
- Report query generating the sum dollar value required to meet the primary care facility needs in rural Alaska (Unmet Need)
- Report query for the prioritization of rural communities
- Geographic Information System (GIS) front end for graphical analysis of the APCD

Because there are several significant phases to the database and applications, GeoNorth has created three sections that document the Client's needs and GeoNorth's solutions to meet those needs for approval by the Alaska Native Tribal Health Consortium (ANTHC), the grantee for the Denali Commission's project. Throughout this document the term "Client" may refer to any or all of the following entities: Denali Commission, Project Steering Committee, ANTHC or NANA/DOWL who is the prime consultant for this project. For specific Client responsibilities refer to the project's Responsibility Matrix.

The three requirement sections are:

Database	Initial design and development of the APCD, entry of questionnaire responses and ends with the report query for the Unmet Need. (Items 1 - 8)
Application	Application design and development, implementation of the prioritization methodology, report query for prioritization of rural communities, definition of the APCD transition and identification of the Program Manager and Host for the APCD. Ends with development of ad hoc reporting and implementation of security levels for public and private access. (Items 9 – 19)
GIS	Final design and development of the GIS with ad-hoc query capabilities and ends with training for the Project Team. (Items 20 – 22)

Final database transition to the Program Manager and project closure, including originally scheduled user documentation, technical application documentation and user training will take place upon completion of the GIS.

GENERAL INFORMATION

This section applies to all three facets of this document: the Database, Application and GIS.

DEFINITION OF TERMS

APCDS	The Alaska Primary Care Data System encompasses the Alaska Primary Care Database (APCD), Application (including the ad hoc query tool) and Geographic Information System (GIS).
APCDS Management Group	A team of selected Primary End Users that oversee access and updates to the APCDS. This Group utilizes the Program Manager as the focal point for communications and revisions to the System. The Program Manager elevates APCDS change requests to this Group to make the final decision.
Primary End User	Users that are authorized by the APCDS Management Group and have access to individual community level data and the ad hoc query tool.
Program Manager	The focal point for communications and revisions regarding the APCDS; i.e., the Program Manager functions as a “gate keeper” for the System. This is the only entity with the authority to enact changes to the APCDS. Whenever a public stakeholder or Primary End User requests a change be made to the functionality of the System or a change made to data, the request goes to the Program Manager who evaluates the request and determines if it requires approval by the APCDS Management Group. If so, the Group makes a determination and requests the Program Manager to implement their decision. The Program Manager has administrative access and directs the actions of the Database Administrator.
Database Administrator	Has full administrative access to the APCDS and works under the direction of the Program Manager or the APCDS Management Group.

ENVIRONMENT / SECURITY

The final APCD, Application and GIS will be web-enabled with the users being Primary End Users, public stakeholders, senior management at various organizations involved with primary health care issues and possibly select Congressional staff.

There will be three levels of secured access: one for the Primary End User, a second for the general public and ultimately the administrative level where data and functional system changes are made. Senior management and Congressional staff will have the same security level as the public. The public will only have access to aggregate data; for example, the sum Unmet Need dollar amount for the Denali Census Area. The public will not have access to the ad hoc query tool or restricted

individual community data. For example, a representative from Kotlik could not access Tanana's or their own community's Unmet Need dollar amount.

PRICING / LICENSING

There is no additional cost to the Client for the Application, including the customized QueryMill™ ad hoc query tool. The Client agrees to sign a license agreement for the ad hoc query tool since GeoNorth will be using one of their products. GeoNorth will provide documentation for all customizations made. The following table reflects the summary of software costs and required license/maintenance agreements for the APCD, Application and GIS.

Software Description	Software Costs	License/Maintenance Agreement Required
GeoNorth web ad hoc query tool license	Free	Yes
ESRI MoIMS/ArcIMS	Free	Yes
ESRI MoIMS/ArcIMS yearly maintenance fee	Free (1 year)	Yes
ColdFusion	Free	Yes
MapOptix site license	Free	Yes
MapOptix (MOX) yearly maintenance fee	Optional \$2,500 annual fee	Yes
SQL Server 7.0 Enterprise Edition and SQL Server 7.0 Internet Connector per processor	Client dependent	Yes

END OF PROJECT TURNOVER REQUIREMENTS

As GeoNorth proceeds in completion of the APCD and its associated applications, the turnover of deliverables needs to be kept in mind as a focal point to work towards for a smooth transition upon project closure. The Client has the following requirements for project turnover:

Program Requirements	<ul style="list-style-type: none"> • Links to existing databases or data resources for data included in the APCD, scripted through the SQL server. • Report query generating the sum dollar value required to meet the primary care facility needs in rural Alaska (Unmet Need). • Report query for the prioritization of rural communities. • Customized reporting, security levels for owners and users, using a web browser front-end. • Documented installation and setup program and/or procedures to install web pages and databases. • Upon project completion the APCD, scripts and installation programs will be delivered on CD ROMs.
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Documentation Requirements	<ul style="list-style-type: none"> • All copies of programs, except for licensed products, and program documentation will include the appropriate copyright line (©2000 Alaska Native Tribal Health Consortium). • Installation and setup instructions for hosting on another system. • Database mapping to include: tables with field definitions, links between tables, queries, triggers and validations. • Identification of records populated with information other than the questionnaire and the source of information. Automation of external data downloads should be as automated as much as possible with the use of scripts. • Final delivery of project and technical documentation will be delivered on CD ROM and in hardcopy.
Miscellaneous Requirements	<ul style="list-style-type: none"> • Web interface source code with embedded copyright in the scripting. • SQL server scripts and/or other code written to manipulate and update the database. • Identify whether the questionnaire was electronic or hard copy. • Recommended table relationships for extracting data (Undefined at this phase in the project.): Web front-end, Direct ODBC connection to SQL Server, algorithm extracts.

The APCD and its applications must be reliable. It must protect the data against loss and must accurately return responses to the programmed queries and reports. The GeoNorth program designer will repair all reproducible “bugs” identified by the Client within 60 days from the mutually agreed upon APCD deliverable turnover date. Each reproducible bug identified during the 60-day time frame will be logged specifically for this 60-day time frame, for documentation and tracking through to issue resolution.

SECTION I: DATABASE

SCOPE

This scope encompasses the initial design and development of the APCD and tasks/functions as outlined below. This includes the identification of required data fields from existing data resources, as well as, the algorithms for generation of the Unmet Need report.

TASKS / FUNCTIONS

The following lists specific tasks and solutions to be completed. The responsible entity is listed in parenthesis after each task.

1. Identification of APC data resources. (Client)

The Questionnaire data, DCED and the IHS data will make up the majority of data comprising the APCD. In addition to the Facilities Needs Assessment Questionnaire (FNAQ), the external data resources for the APCD are as follows:

- *State of Alaska Department of Community and Economic Development (DCED) Database*
- *Indian Health Service (IHS) Facilities Database*
- *State Emergency Medical Services (EMS) 1996 Database*
- *Department of Transportation (DOT) FAA Alaska Regional Airports Plan*
- *DHSS Statewide Health Status, Economic, Dependency and Trauma Registry Data*
- *State Public Health Nursing (PHN) Survey Database*
- *1994 State Village Health Clinic Information Overview*
- *U.S. Census Bureau*

Also, the database will be created so that an export link to the Sanitation Deficiency System (SDS) can be made in the near future.

2. Identification of the specific data fields within each data resource and determination of their type of linkage, either a static or dynamic link, into the APCD. (Client)

Refer to Appendix A for the initial list of data fields. Refer to the Data Dictionary for a complete listing of data fields. Client agreed that all links would be static for the APCD.

3. Determine algorithms and respective data fields required to produce the Unmet Need report. Review data for consistency and recommend solutions for any required adjustments to achieve defensible and/or consistent data and algorithm results. (Client)

Appendix B contains multiple algorithms producing the Unmet Need dollar amounts and the community prioritization, as well as, respective data fields used in the algorithm. The Steering Committee confirmed there will be secondary and tertiary data resources to be inserted for any community that did not respond to the Questionnaire in order to create a complete response for the Unmet Need report. Refer to Appendix A for the complete list of data fields.

4. Design and develop the APCD incorporating responses to 1, 2 and 3 above. In addition, the APCD must provide the following:
 - Identify which community submitted Questionnaire responses electronically or by hardcopy.
 - Designed for one Questionnaire per community; however, it may have multiple organizations and facilities per community.
 - Designed for one time use of the Questionnaire per community; i.e., no future replications of the same Questionnaire later in the year 2000 or in 2001.
 - Utilize the secondary and tertiary data fields as specified in Task 3 above and Appendix B, for communities that did not respond to the Questionnaire.
 - Be designed in such a manner as to efficiently respond to ad hoc queries.

(GeoNorth)

Refer to the Hardware/Software section below for the technical specifications of the APCD.

5. Prepare the APCD Data Dictionary and Entity Relationship Diagram (ERD). (GeoNorth)

There will be two Data Dictionaries delivered, a Technical Data Dictionary and a Text Data Dictionary. The Technical Data Dictionary will define the number and type of characters within the data field; i.e., integers or text. The Text Data Dictionary will be in an intuitive text format for ease of use by the end user; similar in format to the DCED database's Data Dictionary. The ERD documents the relationships between the data fields and will prove useful to future APCD administrators when tasked with updates or revisions to the APCD. This will be available upon completion of this Section.

6. Populate the APCD with external data resources. (GeoNorth)

All external data sources will be static data downloads; i.e., no dynamic link directly into the APCD. The overall APCD data will not be automatically updated unless specifically programmed to do so. GeoNorth will document and automate, into an easy, intuitive format wherever practical, this process for the future APCD Administrator. The final data generating the Unmet Need for the Interim Report will be captured or archived to ensure reproducible results.

7. Complete data entry into APC for all hardcopy questionnaires. (GeoNorth)

The Questionnaire's raw data is placed in a holding table prior to downloading into the APCD. This process ensures data quality control and quality assurance prior to entry into the APCD. Because of this process, GeoNorth will accept hardcopy Questionnaires for data input on the following dates: May 10, May 31 and June 9, 2000. GeoNorth will temporarily lock the electronic and hardcopy Questionnaire data entry on June 23. This date enables the Questionnaire data to be entered into the APCD for calculation of the final Interim Report due June 28, 2000. GeoNorth will continue to enter Questionnaire responses received after June 23 from the original community mailing list including those postmarked by September 1; however, this raw data will be normalized and downloaded into the APCD a maximum of two times between June 23 and the end of the project.

GeoNorth will provide NANA/DOWL by June 1 with a list of communities that may have entered data electronically, but have not officially submitted their responses. This is to enable the Client to call these communities to either revise or submit their data prior to June 9; otherwise their results will be entered into the APCD as it stands on June 23 or September 1.

8. Build Unmet Need draft data queries for presentation to the Steering Committee. (GeoNorth)

Refer to Appendix B for a copy of the Interim Report algorithms and the resulting reports. The Steering Committee will review this draft report and provide input and revisions for the desired final reporting format and algorithms at the May 22, 2000 meeting, or later as required by the Client.

HARDWARE / SOFTWARE

The APCD is built in SQL Server that is highly compatible with Access, Excel, GIS software and web applications, as well as, many SQL compliant query tools. SQL Server was selected because it is a robust system and many of the external data resources and systems currently in place at ANTHC are already in SQL Server or Access.

COMPATIBILITY / MIGRATION

There are no compatibility or migration issues during this phase, other than the three migrations of raw Questionnaire data, since GeoNorth is designing and developing the database. (Refer to Task 7 above.) GeoNorth is hosting the web site and APCD throughout the project until final project closure and turnover.

EASE OF USE

The deliverables from this Section do not require end users so ease of use is not applicable at this time. However, the final Application and GIS will require ease of use so the APCD must be built in such a manner to support solutions that are easy to learn and require minimal help from technical support personnel.

QUALITY

Questionnaire responses going into the FNAQ database are being quality checked by NANA/DOWL prior to submission to GeoNorth for data entry. GeoNorth in turn has performed internal reviews for accurate data entry. If GeoNorth has questionable data entry, the questionnaire is returned to NANA/DOWL for resolution prior to entry into the APCD.

The APCD and its applications must be reliable to the extent that data is never lost and that backups are being performed daily in order to save work being performed. Backups will continue to be performed by GeoNorth until project turnover.

SECTION II: APPLICATION

SCOPE

This Section describes the design and development of an application for the APCD. The Application is the front-end of the APCD, the APCD being the back-end, that the end user views, queries and extracts reports. Its design and development will intuitively direct the user to either standard reports or independent ad hoc query reports. Upon project completion both the Unmet Need and Prioritization extract standard reports will be accessed through this application.

TASKS / FUNCTIONS

The following lists specific tasks and solutions to be completed. The responsible entity is listed in parenthesis after each task.

9. Select a name for the system, which represents the Application and the APCD. (Client)

The Client has selected the Alaska Primary Care Data System (APCDS) as the name for the project's system.

10. Access to the Application will be through the web site via a button on the left side menu screen.

11. Confidentiality Statement: The Application screens viewed by the public do not require a disclaimer or confidentiality statement as they can only view aggregate and not individual community information. The public screen will have, however, an opening screen pop up with a definition of an eligible community. On the Primary End User screens there will be an opening screen that pops up containing a definition of an eligible community as well as a "restricted information" statement.

12. All data accessed by the Application is read-only and does not have the capability to change APCD data. If a data or functional change were required after project closure, a Primary End User would contact the Program Manager.

13. Determine algorithms and respective data fields required to produce the community prioritization. Review data for consistency and recommend solutions for any required adjustments to achieve defensible and/or consistent data and algorithm results. (Client)

Appendix B contains the multiple algorithms producing the community prioritization list. GeoNorth will work closely with the Client throughout this process to ensure a clear understanding of the algorithms in order to create accurate programming and reports.

14. Identification of standard reports to be included in the Application. (Client)

At a minimum, the following standard reports will be included:

- *Unmet Need extract by Census Area*
- *Prioritization extract by Census Area*

The Client will define additional standard reports by end of day September 8.

15. Reporting Format: Standard reports will be in html format, include the date the report was generated and have “Denali Commission” as either a header or footer. Ad hoc reports must have the capability to be printed out in Excel format.

The current web technology does not allow for a page footer or header on a printed document. It can, however, create a document header or footer meaning it prints out once per document. For example, when printing out a 3-page standard report or ad hoc query report only the front page would have, “Denali Commission” at the top of the page for a document header. If a document footer was desired, “Denali Commission” would only print out on the bottom of page 3.

It was decided a document header will be included for all ad hoc queries as follows, “The following information is sensitive and restricted from public release.”

16. The ad hoc query tool must be highly flexible in order to meet the needs of disparate user groups. For example, engineering will generally focus on engineering data whereas professionals in health care programs will focus on program data. Another reason for a highly flexible ad hoc query tool is due to the numerous tables and complex database design. A less robust and low-end product, such as Chrystal Reports, would not allow the desired flexibility.

17. Ad hoc queries are accessible only by the Primary End User security level.

18. For ad hoc queries, the large categories by which to query data and organize reports are:

- Census Area (Using the updated 27 Census Areas)
- Borough
- Regional Health Organization
- Community (288 total)
- State Election Districts – both House and Senate

19. The Application should be designed so that when the questionnaire is revised in 2001 or 2002 it could still be used, provided revisions were made to reflect the new questionnaire.

HARDWARE / SOFTWARE

GeoNorth is customizing one of their query tool products, QueryMill™, to meet the requirement for a web-enabled, robust and highly flexible ad hoc query tool. The Application will be built in Cold Fusion, which is compatible with the APCD's SQL Server software. The ad hoc query tool must also be an extensible system to not only accommodate the APCD extracts, but also to meet the need for future expansion.

COMPATIBILITY / REQUIREMENT

The owner for the project's system will not be defined until September 14; therefore the intended compatible design is for SQL 7.0 or above and Cold Fusion 4.5 or above. GeoNorth is hosting the web site, including the Application, throughout the project until final project closure and turnover.

EASE OF USE

The Application and associated ad hoc query tool must be intuitive and built in such a manner so it is easy to learn and requires minimal help from technical support personnel.

QUALITY

It is important GeoNorth works closely with the Client throughout the prioritization process and query extracts to ensure a clear understanding of the algorithms in order to create accurate programming and reports. Also, the APCD and its applications must be reliable to the extent that data is never lost and that backups are being performed daily in order to save work being performed. Backups will continue to be performed by GeoNorth until project turnover.

SECTION III: GIS

SCOPE – Task C

Task C encompasses the design and development of a GIS component for the APCD and its front-end Application. This includes Steering Committee identification of required GIS layers, spatial data and reports with associated security levels.

TASKS / FUNCTIONS

The following lists specific tasks and solutions to be completed for the GIS. The responsible entity is listed in parenthesis after each task.

20. Refer to 10, 11, 12 and 15 as these requirements also apply to the GIS.

21. Identification of GIS layers. The following GIS layers are required:

- Census Area (Using the updated 27 Census Areas)

- Borough
- Community (288 total)
- Communities with Regional Health Organization affiliation¹
- Communities with hospitals (All communities within the State.)
- Communities without a clinic
- State Election Districts – both House and Senate

¹ It is understood the Regional Health Organizations do not have distinct boundaries for routine graphical representation. An agreed upon alternative graphical representation is to have the communities both color and shape coded to reflect their respective Regional Health Organization affiliation.

Additional graphical representation would be:

- Color-coded sum Unmet Need indicating a dollar range for both Census Areas and individual communities
- Distance in miles from each community to the nearest hospital
- Funded communities²

² This is to be a place holder only since the data may not be available at the time of project turnover. This field will contain the name of the community and their respective funded dollar amount.

It would be ideal to have views of the major rivers and highways for the state in order to estimate travel distances between communities with and without hospitals for trauma and routine medical transports.

22. Prepare the GIS Data Dictionary. (GeoNorth)

HARDWARE / SOFTWARE

The required software for the GIS is as follows:

- ESRI MapObjects Internet Mapping Server (MoIMS)
- MapOptix

COMPATIBILITY / MIGRATION / LINKS

The GIS must be designed to be compatible with the APCD as this is where static downloads of tabular information will be obtained. The GIS is also required to have linkage to applicable information obtained in a parallel ANTHC project, Water and Wastewater Status in Rural Alaska. For example, while viewing the 288 communities for this project, either the public or Primary End Users would be able to click on a community and view one of the images collected during the Water and Wastewater Status project. Please note, the Water and Wastewater Status project is reviewing less than 200 communities and each community does not have map images available. This means that not all of the 288 communities studied in the Alaska Rural Primary Care Facility Needs Assessment project will have map images available.

GeoNorth is hosting the web site and GIS throughout the project until final project closure and turnover with the Client. As of this writing it has not been confirmed whether or not GeoNorth will host the system or be turned over to the Client to host internally.

EASE OF USE

The GIS must be intuitive and built in such a manner so it is easy to learn and requires minimal help from technical support personnel. This is especially true for the GIS as very few end users have previous GIS experience. It is important the GIS have a quick response time so as not to loose or frustrate end users.

FUTURE GIS USE

The GIS application for this project does not require intricate spatial analysis of the APCD at the present time. However, the GIS application must be a robust system in order to meet the demands in the near future, especially as additional engineering and facility data becomes available.

QUALITY

The GIS obtains certain fields from the APCD, such as the Unmet Need, so the quality control for the tabular data has already been verified. The spatial data will be verified with known data, Census Areas for example, and functionality tested prior to placing into production. The GIS must also be reliable to the extent that data is never lost and that backups are being performed daily in order to save work being performed. Backups will continue to be performed by GeoNorth until project turnover, thereafter by the Database Administrator.

APPENDIX A

Please review the Initial Data Fields Matrix, as well as, the extensively detailed Data Dictionary found in another section of the Volume III project manual.

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
	COMMUNITY INFORMATION														
1	General														
2	Community Name			X	1										
3	Alternate Community Name/Spelling			X	12										
4	Official Municipal Name			X	2										
5	IHS City Name					X									
6	Incorporation, type of			X	4										
7	Zip code(s) of community			X	11										
8	APC Unique ID No.	X													
9	IHS Unique Address Identifier					X									
10	IHS Installation Name					X									
11	IHS Area					X									
12	IHS Property Designation					X									
13	IHS Record Status					X									
14	Census Area			X	13										
15	Borough location			X	10										
16	Election district, house			X	8										
17	Election district, senate			X	9										
18	Regional ANSCA Native Corporation Affiliation			X	82										
19	Regional Development Org. (ARDOR)			X	5										
20	Regional Housing Authority			X	6										
21	Regional Office Assignment			X	7										
22	School District or REAA			X	14										
23	Schools Located In Community			X	15										
24	Community Hall			X	16										
25	Gym or Swimming Pool			X	17										
26	Head Start Program Available			X	18										
27	Contacts														
28	Cities (Mayor)			X	19										
29	Boroughs (Mayor)			X	20										
30	Village Corporations			X	21										
31	Village Councils			X	22										
32	Primary Contact Name			X	23										
33	Secondary Contact Name			X	24										
34	Emergency Contact (NOT AVAILABLE)			X	25										
35	Health Clinic Contact Name			X	27										
36	Health Clinic Contact Phone			X	28										
37	Health Aide or Hospital Administrator (NOT AVAILABLE)			X	26										
38	Planning & Zoning Commission Title			X	29										
39	E-Mail address			X	30										
40	Internet web page address			X	31										
41	Utilities and Services														
42	Municipal facilities and utilities			X	32										
43	Water, piped distribution system			X	33										
44	Water, central point			X	34										
45	Water, truck			X	35										
46	Sewage disposal, public system			X	36										
47	Sewage disposal, septic tank			X	37										
48	Sewage disposal, other methods			X	38										
49	Refuse collector			X	56										
50	Landfill operator			X	57										

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
51	Landfill permit			X	58										
52	State Look-up Code			?											
53	Electrical power source			X	39										
54	Electric capacity			X	40										
55	Power Cost Equalization (PCE)			X	41										
56	Electric rates per KWH			X	42										
57	Fire & Rescue Facilities			X	43										
58	Phone utility, in-state			X	44										
59	Phone utility, long-distance			X	45										
60	Cable TV provider/utility			X	46										
61	Teleconferencing networks available			X	47										
62	Accommodations, overnight			X	48										
63	Municipal Finances (FY 85 - FY 98)														
64	Sales tax			X	49										
65	Property tax, city and borough			X	50										
66	Special taxes			X	51										
67	Financial Audit or Certified Financial Statement			X	52										
68	Revenues, per capita operating			X	53										
69	Expenditures, health clinic or hospital			X	54										
70	Expenditures, per capita operating			X	55										
71	Access														
72	Road Access							X							
73	Proximity To Another Community							X							
74	Water Access							X							
75	Other Water Access							X							
76	Air Access							X							
77	Runway length										X				
78	Runway lighted										X				
79	Alternate / Nearest Health Care	(c)	G1.1	X	59										
80	Primary Mode of Travel to Next Care Level	X	P2.2												
81	Demographics														
82	Rural Designation			X	81										
83	Population			X	3										
84	Population 1990 Census			X	60										
85	Population, Male			X	61										
86	Population, Female			X	62										
87	Population, Non-native			X	63										
88	Population, Native %			X	64										
89	Population, African-American			X	65										
90	Population, Other Ethnic Groups			X	66										
91	Students located in community			X	76										
92	Housing units, total number			X	67										
93	Housing units, occupied			X	68										
94	Housing units, vacant			X	69										
95	Rent, average paid			X	70										
96	Income, median family			X	71										
97	Poverty, % of population in			X	72										
98	Persons age 16 and over (the "labor force")			X	73										
99	Employment, total			X	74										
100	Unemployed %			X	75										
101	Health Status Indicators														

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
102	Births									X					
103	Neonatal Mortality Rate									X					
104	Post Neonatal Mortality Rate									X					
105	Total Infant Mortality Rate									X					
106	Fertility Rate									X					
107	Percent Births to Teens									X					
108	Age Adjusted Mortality Rate									X					
109	Heart Disease Mortality Rate									X					
110	Cancer Mortality Rate									X					
111	Suicide Mortality Rate									X					
112	Unintentional Injury Mortality Rate									X					
113	Intentional Injury Mortality Rate									X					
114	Serious & Fatal Child Injury Rate									X					
115	PRIMARY CARE INFORMATION														
116	General														
117	Summary of Local Organizations, Programs, Facilities & Services	X	G1.1												
118	Health Comments/Additional Facilities			X											
119	Regional Health Non-Profit Association					X									
120	EMS Level of Care							X							
121	EMS Region/Sub-Area Designation							X							
122	Program														
123	Organization Name	X													
124	Family Health Services	X	P1.1												
125	EMT Services	X	P1.2												
126	Substance Abuse Diagnosis Services	X	P1.3												
127	Substance Abuse Treatment Services	X	P1.4												
128	Mental Health Diagnosis Services	X	P1.5												
129	Mental Health Treatment Services	X	P1.6												
130	Prenatal & Perinatal Services	X	P1.7												
131	Breast & Cervical Cancer Screening Services	X	P1.8												
132	Well Child Services	X	P1.9												
133	Immunizations	X	P1.10												
134	WIC	X	P1.11												
135	Family Planning Services	X	P1.12												
136	Preventive Dental Services	X	P1.13												
137	Dental Treatment Services	X	P1.14												
138	Patient Education	X	P1.15												
139	Other Preventive Health Services	X	P1.16												
140	CLIA Waived Tests	X	P1.17												
141	Specimen Collection & Shipment to Referral Lab	X	P1.18												
142	Provider Performed Microscopy	X	P1.19												
143	Moderate Complexity Lab	X	P1.20												
144	Ultrasound	X	P1.21												
145	X-Ray	X	P1.22												
146	Mammography	X	P1.23												
147	Pharmacy Services	X	P1.24												
148	Patient Referral Services	X	P1.25												
149	Health Care Coverage Counseling Services	X	P1.26												
150	Outreach	X	P1.27												
151	Home to Clinic Transportation Services	X	P1.28												

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
152	Language Interpretation	X	P1.29												
153	Sliding Fee / Reduced Rates	X	P1.30												
154	Alternate / Extended Hours	X	P1.31												
155	Availability & Use of Services Education	X	P1.32												
156	Off Site Services	X	P1.33												
157	Home Health Visits	X	P1.34												
158	Personal Care Services	X	P1.35												
159	Community Health Education	X	P1.36												
160	First Responder Services	X	P1.37												
161	Ambulance Services	X	P1.38												
162	ACLS Capability	X	P1.39												
163	Dedicated ER Services	X	P1.40												
164	Clinic / EMT Radio Communication Capability	X	P1.41												
165	Transport to Other Communities For Care	X	P2.1												
166	Routine Referral Average Travel Time	X	P2.3												
167	Emergent Average Travel Time	X	P2.4												
168	CY 1998 Total Travel Costs	X	P2.5												
169	Program Management Organization	X	P3.1												
170	Governing Board	X	P3.2												
171	Current Operating Budget	X	P3.3												
172	Current Operating Deficit	X	P3.3												
173	Total Projected Operating Budget	X	P3.3												
174	Medicaid	X	P3.4.1												
175	Denali KidCare	X	P3.4.2												
176	Medicare	X	P3.4.3												
177	Other Health Insurance	X	P3.4.4												
178	Federal Grants	X	P3.4.5												
179	State Grants	X	P3.4.6												
180	Other Grants	X	P3.4.7												
181	Private Pay	X	P3.4.8												
182	P.L. 93-638	X	P3.4.9												
183	Community Subsidy	X	P3.4.10												
184	Other Funding Sources	X	P3.4.11												
185	Medical Records Service	X	P4.1												
186	Accounting / Budget Service	X	P4.2												
187	Billing / Collection Service	X	P4.3												
188	Computer Information Support	X	P4.4												
189	Facilities Management Services	X	P4.5												
190	Janitorial Services	X	P4.6												
191	Staff Development / In-Service Support	X	P4.7												
192	Director / Clinical Manager	X	P5.1												
193	Business Manager	X	P5.2												
194	Billing / Collections Staff	X	P5.3												
195	Computer Information Staff	X	P5.4												
196	Clerical / Reception / Travel Staff	X	P5.5												
197	Medical Records Staff	X	P5.6												
198	Maintenance / Janitorial Staff	X	P5.7												
199	Community Health Aides / Practioners	X	P5.8												
200	Community Health Representatives	X	P5.9												
201	Rural Human Services Workers	X	P5.10												
202	WIC Staff	X	P5.11												
203	EMT's	X	P5.12												

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
204	Nurses	X	P5.13												
205	PHN's	X	P5.14												
206	Nurse Practitioners	X	P5.15												
207	Physician Assistants	X	P5.16												
208	Physicians	X	P5.17												
209	Dental Hygienists	X	P5.18												
210	Dentists	X	P5.19												
211	Other Staff	X	P5.20												
212	Case Load Data Availability	X	P6.1												
213	CY 1998 Total Patient Encounters	X	P6.2			S								?	
214	CY 1998 Total Dental Encounters	X	P6.3			?								?	
215	CY 1998 Emergency Medical Patients	X	P6.4												
216	Seasonal or Itinerant Population	X	P6.5	S											
217	Language Barriers	X	P6.5												
218	Extended Stay Capability	X	P7.1												
219	CY 1998 Extended Stays	X	P7.2												
220	Reason For Extended Stays	X	P7.3												
221	Equipped For Extended Stays	X	P7.4												
222	Staff Quarters Available for Itinerant Staff	X	P8.1												
223	Staff Quarters Available for Permanent Staff	X	P8.2												
224	Dedicated Staff Quarters Needed	X	P8.3												
225	Advanced Med. Comm. System @ Referral Facility	X	P9.1												
226	Space for Telemedicine Equipment	X	P9.2												
227	Program Comments	X													
228	Program Certification	X													
229	Existing Facilities														
230	Name	X		S											
231	IHS Unique BLS Identifier	(C)	F1.2			X									
232	Program Provider	X		S		S									
233	Year Built			X	78	S						S			
234	Construction Type	X	F1.6			S									
235	Master Plan	X	F1.1												
236	Shared Facility	X	F1.3												
237	Floor Plan	X	F1.4												
238	Services & Support GSF	X	F1.5			S						S			
239	Staff Quarters GSF	X	F1.5			S									
240	Other GSF	X	F1.5												
241	Non Medical GSF	X	F1.3												
242	Sprinkler System	X	F1.7												
243	Central Fire Alarm System	X	F1.8												
244	Standby Generator	X	F1.9												
245	Insurance	X	F1.10												
246	Owner	X	F2.1	S		S									
247	Leased	X	F2.2			S									
248	Type of Lease	X	F2.2			S									
249	Adequate Funds for Ownership/Lease/O&M	X	F2.3/2.4												
250	Ownership/Lease/O&M Shortfall	X	F2.5												
251	Structural Condition	X	F3.1			S									
252	Mechanical Systems Condition	X	F3.2			S									
253	Electrical Systems Condition	X	F3.3			S									
254	Energy Management Condition	X	F3.4			S									
255	Handicap Accessibility Compliance	X	F3.5			S									

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
256	Site / Environmental Condition	X	F3.6			S									
257	Fire & Life Safety Compliance	X	F3.7			S									
258	Circulation / Floor Plan Condition	X	F3.8			S									
259	Overall Condition	X	F3.9	S											
260	Water, health clinic			X	79										
261	Sewer, health clinic			X	80										
262	Local Recommendation	X	F3.10												
263	Deficiency Tracking System	X	F3.11			S									
264	M&I Cost Estimate Available	X	F3.12			S									
265	M&I Cost Estimate Amount	X	F3.12			S									
266	M&I Cost Estimate Source	X	F3.12			S									
267	M&I Cost Estimate Date	X	F3.12			S									
268	M&I Funding Available	X	F3.13			S									
269	M&I Funding Amount	X	F3.13			S									
270	New Space Needed	X	F4.1												
271	Planning Document Prepared	X	F4.1												
272	Addition GSF	X	F4.1												
273	New Facility GSF	X	F4.1												
274	Business Plan Developed for New Space	X	F4.2												
275	Total Facilities Budget After New Space On Line	X	F4.2												
276	New Space Cost Estimate Available	X	F4.3												
277	New Space Cost Estimate Amount	X	F4.3												
278	New Space Cost Estimate Source	X	F4.3												
279	New Space Cost Estimate Date	X	F4.3												
280	New Space Funding Available	X	F4.4												
281	New Space Funding Amount	X	F4.4												
282	Community In-Kind Contributions for New Space	X	F4.5												
283	Matching Funds Available for New Space	X	F4.6												
284	Design Complete for New Space	X	F4.7												
285	Site Identified for New Space	X	F4.8												
286	Site Control Issues Resolved for New Space	X	F4.9												
287	Site Proximity Rating	X	F4.10												
288	Resource Enhancement Opportunities	X	F4.11												
289	Approved For Funding By Govt. or Outside Source	X	F4.12												
290	Govt. or Outside Source Funding Year	X	F4.12												
291	New / Replacement Medical Equipment Needed	X	F5.1												
292	Medical Equipment Cost Estimate Available	X	F5.1												
293	Medical Equipment Cost Estimate Amount	X	F5.1												
294	Access To Medical Equipment Funds	X	F5.2												
295	Medical Equipment Funding Shortfall	X	F5.2												
296	CY 1998 Energy Data	X	F6.1												
297	Annual M&I Costs	X	F6.2												
298	Source of Facilities Management Funds	X	F6.3												
299	Non-Local Support System For Facilities Mgt.	X	F6.4												
300	Building Replacement and Depreciation Fund	X	F6.5												
301	Facilities Comments														
302	Facilities Certification														
303	Program Standards														

INITIAL DATA FIELDS MATRIX

12 May 00

#	DATA FIELDS	FNAQ*	Reference	State DCED	Reference	IHS Facilities	Reference	STATE EMS	Reference	State Vital Statistics	FAA Regional Airport Plan	1994 State Survey	State PHN Survey	IHS Data System (See IHS Facilities)	Internal APC Tables
304															X
305															X
306	Space Standards														
307															X
308															X
309	Cost Factors														
310															X
311															X
312															X

APPENDIX B

The following algorithms were utilized for the Unmet Need and Prioritization calculations.

UNMET NEED ALGORITHMS

E = Existing Square Footage

= F1.5 from FNAQ (*Direct Services & Support entry*);
if no F1.5 entry then use IHS Facilities Database (*b_bls-gsf*);
if no IHS Facilities Database entry then use 1994 State Clinic Survey (*tblclinicinfo-clinic area*)
if no entry available then $E = 0$
or if G1.1(b) from FNAQ then $E = 0$

B = Unit Construction Cost of new clinic space in Anchorage (May 2000 dollars)

= \$183.20 per gross square foot

Z = Other Project Cost Factor (accounts for design, movable equipment & furniture, construction inspection & contingencies), expressed as a decimal percentage of B = 1.45

LI = Location Index (adjusts Anchorage base costs to specific locations)

K = Unit Renovation Cost of existing clinic space in Anchorage (May 2000 dollars)

= \$119.08 per gross square foot

ADDITIONAL SPACE NEED

S = Additional Space Need

C = Cost of Additional Space

if S is 0 or negative or if G1.1(a) from FNAQ then $C = 0$
if S is positive then $C = S \times B \times Z \times LI$

1. For EMS Level I-IS or II-IS and Population = 20 – 100: $S_1 = 1535 - E$

2. For EMS Level I-IS or II-IS and Population = 101 – 500: $S_2 = 1989 - E$

3. For EMS Level I-IS or II-IS and Population > 500: $S_3 = 2459 - E$

4. For EMS Level I - HI and Population 20 - 100: $S_4 = 0$

5. For EMS Level I - HI and Population 101 - 500: $S_5 = 0$

6. For EMS Level I - HI and Population > 500: $S_6 = 1989 - E$

7. For EMS Level II - HI and Population = 101 – 500: $S_7 = 1989 - E$

8. For EMS Level II - HI and Population > 500: $S_8 = 2459 - E$

9. For EMS Levels III and higher: $S_9 = 0^*$

* Assume unmet need is captured in separate line item estimate in the Final Report for new multi-community facilities.

Total Unmet Space Need = $\sum C_1 - C_9$

EXISTING SPACE DEFICIENCIES

BRC = Cost to Correct Backlog of Repairs = highest value from the following

if F3.10 from FNAQ = “Replace”, or
F3.9 from FNAQ = “Poor”, or
“Overall Clinic Condition” from DCED or 1994 State Survey = “Replacement”
then $BRC = E \times B \times Z \times LI$

if F3.10 from FNAQ = “Correct Deficiencies”, or
F3.9 from FNAQ = “Fair”, or
“Overall Clinic Condition” from DCED or 1994 State Survey = “Major Renovation”
then $BRC = E \times K \times Z \times LI$

if F3.12 from FNAQ has estimate then $BRC = F3.12 \$ \text{ entry} + F5.1 \$ \text{ entry}$

in all other cases $BRC = 0$

PART I - PRIORITIZATION FORMULA

21 September 2000

Total Point Score For Each Community = Sum of the Following:

	<u>Maximum Points</u>
1. Facility Deficiency Score (FDS)	45
2. Health Status Score (HSS)	20
3. Isolation Score (IS)	10
4. Dependency Ratio Score (DRS)	10
5. Economic Status Score (ESS)	9
6. Trauma Registry Score (TRS)	5
7. Seasonal Population Score (SPS)	1
TOTAL	100

FACILITY DEFICIENCY SCORE

$$\text{Facility Deficiency Score (FDS)} = \frac{G - (E \times AF \times CF)}{G} \times (45)$$

Special Note: If FDS < 0 then set final Facility Deficiency Score equal to zero.

G = Space Guideline from Table 6 in ARPCFNA Interim Report

1. For EMS Level I-IS or II-IS and Population = 20 – 100: **G₁ = 1535**

2. For EMS Level I-IS or II-IS and Population = 101 – 500: **G₂ = 1989**

3. For EMS Level I-IS or II-IS and Population > 500: **G₃ = 2459**

4. For EMS Level I-HI and Population = 20 – 100: **G₄ = 0**

5. For EMS Level I-HI and Population = 101 – 500: **G₅ = 500**

6. For EMS Level I-HI and Population > 500: **G₆ = 1989**

7. For EMS Level II - HI and Population = 101 – 500: **G₇ = 1989**

8. For EMS Level II - HI and Population > 500: **G₈ = 2459**

9. For EMS Levels III and higher: **G₆ = 2459**

E = Existing Square Footage

= F1.5 from FNAQ (*Direct Services & Support entry*);

If no F1.5 entry then use IHS Facilities Database (*b_bls-gsf*);

If no IHS Facilities Database entry then use 1994 State Clinic Survey (*tblclinicinfo-clinic area*)

But if no entry available from any of the above, then E = G, or if G1.1(b) in FNAQ was checked then E = 0

AF = Age Adjustment Factor per the attached Age Factor Table

Age = 2000 – “*year built*” from DCED

If no DCED entry then use IHS Facilities Database (*b_bls-age*)

If no IHS Facilities Database entry then use 1994 State Clinic Survey (*tblclinicinfo-age*) + 6

If no entry available from any of the above, then AF = 1.0

**FACILITY
AGE FACTOR TABLE**

Age (yrs)	Age Factor
< 10 yrs.	1.0
10 – 14	0.95
15 – 19	0.90
20 – 24	0.85
25 – 29	0.80
≥ 30	0.75

CF = Condition Factor

= Sum of points from attached Condition Factor Table divided by 26

Total points derived based on responses to F3.1 through 3.8 in FNAQ

If no response to any of the above, or if response = “Don’t Know”, then set = F3.9 response

If no response to any of the above, including F3.9, then set = “Good”

FACILITY CONDITION FACTOR TABLE

CATEGORY	<i>GOOD</i>	<i>FAIR</i>	<i>POOR</i>
Structural	4	2	1
Mechanical	4	2	1
Electrical	4	2	1
Fire & Life Safety	4	2	1
Floor Plan	4	2	1
Energy Management	2	1	0.5
Handicap Access	2	1	0.5
Site / Environmental	2	1	0.5
<i>Totals</i>	26	13	6.5

HEALTH STATUS SCORE

Nine health status indicators are being provided by DHSS on a state wide average and census area basis. For each indicator DHSS compares the rate for the census area to the state average, creating a “rate ratio” for each indicator. The “rate ratios” for each of the nine indicators are then summed up for each of the census areas. The nine indicators are:

1. Fertility rate
 2. Percent of births to teens
 3. Post-neonatal mortality
 4. Age adjusted mortality rate
 5. Suicide death rate
 6. Unintentional injury death rate.
 7. Homicide death rate
 8. Heart disease death rate
 9. Cancer death rates
-
- a. Divide 20.00 by the census area with the highest aggregate rate ratio sum to determine the Health Status Scaling Factor (HSSF).
 - b. The sum of the rate ratios for each of the other census areas is then multiplied by the scaling factor to generate the Health Status Score (HSS) for that particular census area.
 - c. The score for each individual census area is assigned to each community within that census area.

ISOLATION SCORE

1. Assign the Isolation Score (IS) based on each community's EMS Category, primary mode of travel to next level of care, and distance to the nearest hospital according to the table below.
2. Primary mode of travel is to be determined per the response to P2.2 in the FNAQ. If P2.2 response = "Other" then set mode = *Air or Water*. If no response to P2.2 then use mode assigned by Steering Committee based on a review of the Economy and Transportation Section of the *Community Information Summary* in the DCED database.
3. Distance to nearest hospital is to be determined based on the following:
 - List of hospitals per the June 1998 Alaska Rural Health Plan
 - Straight line air miles to the nearest community with a hospital as calculated by a subroutine within the GIS application of the APCD.
4. All communities with an EMS level of III or higher are to be assigned an isolation score of 0, regardless of travel mode or distance to the nearest hospital.

ISOLATION SCORING TABLE

Distance To Nearest Hospital (miles)	EMS CATEGORY					
	ISOLATED I		ISOLATED II		HIGHWAY I	HIGHWAY II
	Primary Mode Of Travel To Next Level of Care					
	Air or Water	Motor Vehicle	Air or Water	Motor Vehicle	Motor Vehicle	Motor Vehicle
0 -100	7		4		1	0
101 - 200	8	2	5	2		
201 - 600	9	3	6	3		
> 600	10	4	7	4		

DEPENDENCY RATIO SCORE

Dependency Ratio (DR) data is being provided by DHSS on a community specific basis. This ratio compares the elderly and youth population to the working age population in each community.

Elderly = people 65 or over, and youth = people under 18. Working age population = people ages 18 - 64.

1. Calculate a statewide average DR or “ADR” using only the data for those communities meeting the baseline ARPCFNA Project criteria, i.e. only for those communities that received a FNAQ.

$$\text{ADR} = \frac{\sum \text{Youth} + \sum \text{Elderly}}{\sum \text{Working}}$$

2. Calculate a Dependency Ratio Index (DRI) for each community.
3. $\text{DRI} = \frac{\text{Community DR}}{\text{ADR}}$
4. Divide 10.00 by the highest individual DRI to determine the Dependency Ratio Scaling Factor (DRSF).
5. Multiply each individual DR Index by the scaling factor to determine the Dependency Ratio Score (DRS) for each community.

ECONOMIC STATUS SCORE

Per capita income (PCI) and population data for all communities in the state (based on 1990 census data) is being provided by DHSS.

1. Calculate a statewide average PCI or “APCI” using only the data for those communities meeting the baseline ARPCFNA Project criteria, i.e. only for those communities that received a FNAQ.

$$APCI = \frac{\sum (PCI \times Pop)}{\sum Pop}$$

2. Calculate the following ratio for each community.

$$PCI \text{ Ratio} = \frac{APCI}{\text{Community PCI}}$$

3. Divide 9.00 by the highest individual Income Ratio to determine the Economic Scaling Factor (ESF).
4. Multiply each individual income ratio by the scaling factor to determine the Economic Status Score (ESS) for each community.

TRAUMA REGISTRY SCORE

Predicted and Trauma Registry data on hospitalizations for injuries by closest community of occurrence are being provided by DHSS on a community specific basis. The predicted values are calculated based on state averages in terms of per 100,000 resident population. The actual values are corrected Trauma Registry data. DHSS is also providing a trauma rate ratio (TRR) for each community that compares each community's actual value to the state average.

Determine Trauma Registry Score (TRS) based on the following table.

TRAUMA REGISTRY SCORING TABLE

<i>POINTS</i>	<i>TRAUMA RATE RATIO (TRR)</i>
1	$\text{TRR} < 1$
2	$1 \leq \text{TRR} < 2$
3	$2 \leq \text{TRR} < 3$
4	$3 \leq \text{TRR} < 4$
5	$\text{TRR} \geq 4$

SEASONAL POPULATION SCORE

If first checkbox in P6.5 of FNAQ = YES, then the Seasonal Population Score (SPP) = 1

Otherwise, SPP = 0

APPENDIX A.2

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ColdFusion® Server

Software License Agreement

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1. PRODUCT DESCRIPTION

MapOptix™ is a software product that integrates ESRI's MapObjects™ Internet Map Server and Allaire's Cold Fusion™. It enables the quick, interactive display and query of spatial and tabular data using a variety of web browsers. Additionally, it is designed to serve many types of end users, and can be customized to display different information in different ways for specific user groups. MapOptix can be used with any ODBC-compliant database.

Some "Out-of-the-Box" functionality includes: Displaying maps, including pan and zoom map navigation. Viewing attribute data from a selected data layer for a selected feature. Controlling how map layers are rendered. Managing user access. Displaying an inset vicinity map. Displaying a map legend. Displaying results of custom actions. Executing tabular queries and displaying results one feature at a time. Selecting a feature on the map and displaying form-based results of a query that drills down through multiple data layers relating to the selected feature. This is known as the "GeoSearch" function. Selecting features with a buffer distance. Identification and Map Tip of map features.

MapOptix™ consists of three primary elements: 1.) A map server with a graphical user interface; 2.) A system administration and user management interface; and 3.) A client interface.

Element I: Map Server Functionality

Set up and configure spatial and geo-referenced image data to be used with MapOptix™. GeoNorth™ proprietary objects embedded within the MapServer provided enhanced abilities to quickly populate and define map layers. Set properties for communication with other MapOptix™ components and physical servers. Define and configure display parameters.

Element II: Administration and User Management Interface:

Set up, configuration, and maintenance of all data and user access to MapOptix™. Set up and configuration of query functions. Configuration of custom actions used in conjunction

with query results. Define communication with Map Server. Monitoring status of MapOptix system.

Element III: Client Interface Includes:

Provides display of information and menu choices to query map and tabular data. User control of layer display and map navigation. Access to MapOptix and user defined custom actions. Ability to customize interface to includes position placement, colors, and fonts.

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1. PRODUCT DESCRIPTION

QueryMill™ is a web-enabled software product for database queries and report generation. It is a robust product capable of intricate database queries, yet with intuitive programming, administration and end user interfaces. It is designed to serve many types of end users and can be customized through intuitive interfaces at both the administrative and end user levels. QueryMill™ provides an end user with a high degree of flexibility in querying and formatting database data and can be used with any ODBC or OLE-DB compliant database.

Some "Out-of-the-Box" functionality includes: Inclusion of ad hoc query functionality in an application written in Allaire Cold Fusion™ through the inclusion of QueryMill™ custom tags. Creation and administration of query definitions via an administrative interface. Flexible end user ad hoc query interface.

Element I: Programming Interface

QueryMill™ provides a set of custom tags, accessible via Allaire Cold Fusion™ templates and a SQL DDL script, to create supporting database tables. The QueryMill™ custom tags provide separate administrative and end user interfaces and facilitates interface and functionality customization through required and optional tag parameters.

Element II: Administration Interface

Definition of queryable databases. Setup and configuration of query definitions that specifies tables and columns, including user-friendly aliases for these elements. Setup joins between tables as well as end user interface options.

Element III: End User Interface

Provides an intuitive interface by which end users can specify query criteria, result columns, sorting and

aggregation options and interactively create, save and share specific ad hoc queries.

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GEONORTH, LLC ("Licensor")

Signature: 

Name (print): Brian Munster

Title: President

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Signature: 

Name (print): Curtis D. Sullivan

Title: Director-Procurement



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Alaska Native Tribal Health Consortium
(Licensee)

By:

Curtis D. Sullivan
Authorized Signature

Printed Name:

Curtis D. Sullivan

Title:

Director - Procurement

Date:

9/22/08

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(ESRI)

By:

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Date: _____

Licensee Contact Information

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Anchorage, AK 99507

Telephone:

(907) 729-2966

Fax:

(907) 729-2977

E-mail:

edsullivan@anthc.org

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NetEngine Internet			✓			✓ ¹³	
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APPENDIX A.3

TRAINING DOCUMENTATION

ABBREVIATED WEB SITE INSTRUCTIONS

FOR THE

**ALASKA RURAL PRIMARY CARE FACILITY
NEEDS ASSESSMENT**

Prepared by:

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GeoNorth, LLC
3330 Arctic Boulevard, Suite 101
Anchorage, AK 99503
(907) 562-1500**

ABBREVIATED WEB SITE INSTRUCTIONS FOR THE ALASKA RURAL PRIMARY FACILITY NEEDS ASSESSMENT

Web Site: <http://ruralhealthcare.geonorth.com/>

Web Site Contact: Cheryl Moon, GeoNorth
562-1500
cmoon@geonorth.com

SECTION I: Public Information Center & Project Team Information Center

The opening screen is the Public Information Center home page. Follow the “Change Login” instructions, refer to I. 1 through 4 below, to access the Project Team Information Center.

CONTENTS

	Public Information Center	Project Team Information Center
Project: Overview	Yes	Yes
Project: Milestones	Yes	Yes
Project: Journal	Yes	Yes
Project: Issues (PITS)	No	Yes
Project: Calendar	No	Yes
Project: Documents	No	Yes
Project: Contacts	No	Yes
Frequently Asked Questions	Yes	Yes
Contact Us	Yes	Yes

LOGIN & PASSWORD

1. In upper left hand (ULH) corner, click on “Change Login”.
2. Move cursor to enter your login name using your first initial and last name.
Example: jsmith
3. Enter your login name, refer to I.2, if this is the first time you are logging on or your new password. Click “Login”.

NOTE: It is highly recommended to change your password by clicking on “Change Password” in the _____ or the PITS tool bar. Follow the on-screen Change Password instructions.

4. You are now in the “Project Team Information Center” home screen.

SECTION II: Calendar

*NOTE: GeoNorth will update the Calendar for upcoming meetings and milestone events.
Please contact Cheryl Moon, refer to page 1 contact information, to add or edit an event.*

1. Click on Calendar.
2. Define the month to view by the pull-down screen in the ULH corner of the Calendar screen.

You must click “Rebuild Calendar” to refresh the screen each time a different month is desired.

3. To view the text detail behind a color-coded date, simply click on the colored event title.
4. To return to the Calendar, click on the “Monthly View” in the lower left hand (LLH) corner.

SECTION III: Issues (PITS)

PITS = Project Information Tracking System

GETTING STARTED

1. Click on “Issues (PITS)” and enter your login name and password (Refer to Section I).
Change your password if you have not done so already.
2. Click on “Subscriptions” in the PITS toolbar. Review the sections to ensure you are subscribed to the applicable sections. Click the cursor to the left of the section desired to subscribe. This toggles with the Unsubscribe feature. You will not need to repeat this step in the future unless subscription changes are desired.
 - A. If you ARE subscribed, as indicated by a checkmark, you will automatically receive emails on any activity taken on issues within that section.
 - B. If you ARE NOT subscribed, you will not automatically receive issue activity emails. You may still manually view issue responses.

TO REVIEW OR QUERY ISSUES

1. Click “Query”.
2. “Specify Filter” by selecting the section(s) you want to view.
 - Select one by clicking on the section.
 - Select multiples by holding down the control key while clicking on the desired sections.
 - Select all by clicking “Select All” to the left of the section list.
3. Continue to answer fields within “Specify Filter” box. Leaving the entire “Specify Filter” box as is will automatically submit all issues and parameters.
4. Scroll down “Specify Filter” box and click “Submit”.
5. The selected issues will appear on your screen.

TO ENTER NEW ISSUE

1. Go to Issue screen.
2. Click “New Issue”.
3. Is the “Section” correct?
4. Type in succinct “Overview”.
5. Type in brief description of the issue.
6. Enter Due Date (00/00/00)
7. Identify Resource from pull down window.
8. Are you already subscribed? If not and want to be, check the box.
9. SUBMIT
10. ***Click “Refresh” to view issue additions or changes.***

TO RESPOND TO AN ISSUE

1. Go to the Issue screen.
2. Click on desired issue.
3. Click on “Respond” and enter the screen fields.
4. SUBMIT
5. ***Click “Refresh” to view issue additions or changes.***

TO RESOLVE AN ISSUE

1. Go to the Issue screen.
2. Click on the desired issue.
3. Click on “Resolve”.
4. Type in the issue overview. *(System does not automatically transfer this information.)*
5. Type in Resolution.
6. SUBMIT
7. ***Click “Refresh” to view issue additions or changes.***

REPORTS: ISSUE SUMMARY LIST

1. Go to the Issue screen.
2. Click on “Issue Summary List”.
3. Creates a one-line summary for all project issues in a table format.
4. Create a print out by clicking on the “Print” icon in the web header toolbar.

REPORTS: ONE RESOURCE ISSUE LIST

1. Go to the “Query” (Specify Filter) screen.
2. Select the desired fields for Resolved Issues, Resource identity, Due Date and Last Activity.
3. SUBMIT
4. Create a print out by clicking on the “Print” icon in the web header toolbar.

QueryMill™ Query Administration Interface

APCD-Specific Tips for Defining Queries

Database Views for Querying

When creating a query definition, it is important to remember that many of the database columns contain ids. which reference user-friendly display values, via lookup tables. To reduce the amount of table linking, required to produce queries, several views have been created specifically for querying (see Views for Querying ERD). These views contain the user-friendly display values (instead of the ids.) and the APCD community name, borough, census area, regional health organization, and election districts (house and senate), in addition to the actual data from the external data resource. By utilizing these views in query definitions, instead of the external data resource tables, it is possible to greatly reduce the number of tables and join clauses necessary to produce a specific query.

Linking External Data Resources

Most external data resources can be linked to the APCD tables and/or other external data resources, by community name. However, because different data resources sometimes contain different names (or different spellings) for the same community, a cross-reference was required. This cross-reference is contained in the community_xref table, which contains the APCD community name, the name of the source (external data resource) table, and the corresponding source community name, as it appears in the external data resource.

When linking to an external data resource in this way, rather than utilizing the predefined views (see Database Views for Querying, above), it is usually necessary to include one instance of the community_xref table for each external data resource (see example on the following pages). The following table is a list of the resource-specific link table and column for each of the external data resources:

External Data Resource	Source Table	Source Community Column	Comments
1994 Clinic Survey	tblCommunityInfo	CommunityName	See main ERD for relationships between Clinic tables
Ak. Community DB Online (DCED)	dcled_data	comm_boro_name	Use dcled_data view, rather than actual tables (dcled_data_1 and dcled_data_2)
APCD Data Dictionary	n/a	n/a	Not community specific
Census	census_data	community_name	
Commercial Services Airport Inventory	airport	associated_city	
IHS Facilities Database	b_addr	city_town	See main ERD for relationships between IHS tables
Miscellaneous Community Data	n/a	n/a	Created by APCDS, so there is a perfect match on community_id
Regional Health Organization	n/a	n/a	Created by APCDS, so there is a perfect match on community_id

State DPH Vital Statistics	dph_file_1	name	See main ERD for relationships between DPH tables
State Emergency Medical Services	ems_data	community_name	See main ERD for relationships between EMS tables
State PHN Community Survey Cards	phn_data	txtCommunity	See main ERD for relationships between PHN tables
Rural Alaska Housing Sanitation Inventory (RAHSI)	RAHSI	community_name	There is no RAHSI data in the APCD. The entries in the community_xref table, for RAHSI, are currently only used for image lookups.

Example Query Utilizing the Community Cross-Reference Table

The following screen shot of the Query Tables screen illustrates the join clauses necessary to produce a query that includes data from three of the external data resources, without utilizing the predefined views:

Alaska Primary Care Data System - Microsoft Internet Explorer

Address: http://ruralhealthcare.geonorth.com/production%20system/application/default.cfm

Home Standard Reports GIS Links Query Raw Data Reports Maintenance

Maintenance Tasks List

Query Definition List Query Definition Detail Query Tables Query Tabs Display Columns Query Columns

Add Table(s)

airport
b_addr
b_bls
b_bls_funds_mgr
b_feds
b_feds_bls
census_data

OR

DB Table Name	Alias	Relative Order	Display Name	Required	Join Clause	Delete
airport	a		airport	<input type="checkbox"/>	(a.associated_city = c1.source_communit	<input type="checkbox"/>
community_xref	c1		community_xref	<input checked="" type="checkbox"/>		<input type="checkbox"/>
community_xref	c2		community_xref	<input checked="" type="checkbox"/>	(c2.community_id = c1.community_id)	<input type="checkbox"/>
community_xref	c3		community_xref	<input checked="" type="checkbox"/>	(c3.community_id = c1.community_id)	<input type="checkbox"/>
dced_data	d		dced_data	<input checked="" type="checkbox"/>	(d.comm_boro_name = c2.source_comm	<input type="checkbox"/>
tblClinicInfo	t		tblClinicInfo	<input checked="" type="checkbox"/>	(t.communityname= c3.source_communit	<input type="checkbox"/>

Save Changes Cancel

User: APCDS Administrator Steering Committee Login

In the example, three instances of the community_xref table are required. The first instance, aliased as 'c1', does not require a join clause, as it is being used as the primary table in this query. All other tables are therefore linked to it, as follows:

airport is joined to the first instance of community_xref (c1):

(a.associated_city = c1.source_community_name) and (c1.source_table = 'airport')

dced_data is joined to the second instance of community_xref (c2):

(d.comm_boro_name = c2.source_community_name) and (c2.source_table =
'dced_data')

which is, in turn, joined to the first instance of community_xref (c1):

(c2.community_id = c1.community_id)

tblClinicInfo is joined to the third instance of community_xref (c3):

(t.communityname= c3.source_community_name) and (c3.source_table =
'tblCommunityInfo')

which is, in turn, joined to the first instance of community_xref (c1):

(c3.community_id = c1.community_id)

QueryMill™ Query Administration Interface

Name	Public?	Description	Data Source
Data Dictionary	Y		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by Borough	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by Census Area	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by Community	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by House District	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by Regional Health Org.	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Comments by Senate District	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by Borough	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by Census Area	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by Community	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by House District	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by Regional Health Org.	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - External Data by Senate District	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities by Borough	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities by Census Area	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities by Community	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities by House Election District	N		anthc_rhc Tables Tabs Query Cols Display Cols
FNAQ - Facilities by Regional Health Org.	N		anthc_rhc Tables Tabs Query Cols Display Cols

User: Stan Halfacre [Steering Committee Login](#)

List of Query Definitions (dsp_select_querydef.cfm)

This screen is the main entry point for all QueryMill administrative activities. It lists all existing query definitions. It also provides access to the following functions:

- Edit a query definition
 - edit the details of existing query definitions (name, datasource, and so on) by clicking the link which is the name of the query definition
 - view and administer the list of database tables which may contribute to the query by clicking on the “Tables” link next to the desired query definition
 - view and administer the list of tabs which will be presented for the query by clicking on the “Tabs” link next to the desired query definition
 - view and administer the list of database columns (fields) which are used as criteria inputs for the query by clicking on the “Query Cols” link next to the desired query definition

- view and administer the list of database columns (fields) which are available as output columns from the query by clicking on the “Display Cols” link next to the desired query definition
- Add a new query definition by clicking on the “New Query Def” link at the bottom of the page
- Maintain Code Table definitions by clicking on the “Code Tables” link at the bottom of the page
- Maintain Lookup Table definitions by clicking on the “Lookup Tables” link at the bottom of the page

The screenshot shows a web browser window titled "Alaska Primary Care Database System - Microsoft Internet Explorer". The address bar shows "http://localhost/ruralhealthcare/production%20system/application/default.cfm". The navigation bar includes links for Home, Standard Reports, GIS, Links, Query, Raw Data Reports, and Maintenance. The "Maintenance" tab is selected, leading to the "Maintenance Tasks List" page. Below this, there are sub-tabs: Query Definition List, Query Tables, Query Tabs, Display Columns, and Query Columns. The "Query Definition List" sub-tab is active, showing a form titled "Edit 'FNAQ - Facilities by Community'". The form contains the following fields:

- Name: FNAQ - Facilities by Community
- Description: (empty text box)
- Make Public? (directly accessible): ☐
- Force "Single Tab" mode: ☒
- Single Table Results: ☒
- DSN Name: anthc_rhc
- DSN Type: ODBC (dropdown menu)
- Server: (empty text box)
- Database: (empty text box)
- Header Template: ./dsp_qry_header.cfm
- Footer Template: (empty text box)
- Result Handler: (empty text box)

At the bottom of the form are "Save" and "Cancel" buttons. The status bar at the bottom of the browser shows "User: Stan Halfacre" and "Steering Committee Login".

Query Detail Screen (dsp_edit_query_def.cfm)

This screen, entered by clicking on the name of a query definition on the Query Definition List, allows for specifying all basic attributes of a query definition. (NOTE: this same screen is also displayed, with no data, when creating a new query definition.) These attributes are listed and defined below:

Attribute	Meaning
Name	A name for the query definition. This name will appear in lists of query definitions.
Description	The description allows for a longer description of the query definition.
Make Public?	This flag allows queries to be excluded (if 'N' – not checked) from lists presented to end users of QueryMill. The queries which are not flagged as "public" can still be accessed by passing the query_def_id into the dsp_query.cfm template.
Force "Single Tab" Mode?	If this flag is set (box is checked), end users of the query will not have access to the "All tabs" or "Any tab" modes of querying. In other words, only the criteria on the tab active when submitting the query will be applied to the query.

Single Table Results?	If this flag is set (box is checked), the query will only allow columns from one table at a time to be selected for inclusion in the result set. Even though multiple tables may be available, the user must select columns from one table only.
DSN Name	This is the name of the ColdFusion data source to be used for the query definition. The data source will be used for determining database structure as well as actual querying.
DSN Type	Specifies which type of data source to use. Currently, ODBC (the default) and OLE-DB are supported.
Server	Currently has no impact. When support for native drivers is added, Server will specify which database server should be accessed by the query definition.
Database	For OLE-DB (or, in the future, native driver) data sources, specifies which database should be used by the query definition.
Header Template	Optional HTML file or ColdFusion template to include at the top of the query result display.
Footer Template	Optional HTML file or ColdFusion template to include at the bottom of the query result display.
Result Handler	Optional ColdFusion template which will be used to display the data returned by the query.

From this screen, the query definition can also be replicated under a new name. Replication will copy the query definition, including all query tables, query tabs, query columns, and display columns. After entering a name and clicking the Go! button, the system will perform the replication, then present the Query Detail Screen for the new query.

Alaska Primary Care Database System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss Messenger Real.com Offline

Address http://localhost/ruralhealthcare/production%20system/application/default.cfm Go

Home Standard Reports GIS Links Query Raw Data Reports Maintenance

Maintenance Tasks List

Query Definition List Query Definition Detail Query Tables Query Tabs Display Columns Query Columns

Add Table(s)

airport
b_addr
b_bls
b_bls_funds_mgr
b_feds
b_feds_bls
census_data

OR

DB Table Name	Alias	Relative Order	Display Name	Required	Join Clause	Delete
facility	f		Facilities	<input type="checkbox"/>	r.facility_id=f.facility_id	<input type="checkbox"/>
organization	o		Organizations	<input type="checkbox"/>	r.organization_id=o.organization_id	<input type="checkbox"/>
v_facility_basic_data	r		F1 - Facility Basic Data	<input type="checkbox"/>		<input type="checkbox"/>
v_facility_medical equip_def	r		F5 - Facility Medical Equ	<input type="checkbox"/>		<input type="checkbox"/>
v_facility_ownership_lease_data	r		F2 - Facility Ownership	<input type="checkbox"/>		<input type="checkbox"/>
v_facility_physical_def	r		F3 - Facility Physical De	<input type="checkbox"/>		<input type="checkbox"/>
v_facility_space_related_def	r		F4 - Facility Space Rela	<input type="checkbox"/>		<input type="checkbox"/>

User: Stan Halfacre Steering Committee Login

Done Local intranet

List of Query Tables (dsp_select_tables.cfm)

This screen, entered by clicking on the “Tables” link for a query definition, allows specification of tables to be included in the query definition. Database views may be used in place of tables; the word “table,” as used herein, should be understood to mean “table or view.”

At the top of the screen is a list of all tables existing within the database specified for the query definition. Select one or more tables from this list, then click the Add Table(s) button to add the tables to the query definition. (NOTE: editing done on the lower part of the form – such as marking a table for deletion or changing an alias name – will be applied when adding tables.)

The lower part of the screen lists tables which are already part of the query definition. Following are the table attributes which can be entered:

Attribute	Meaning
Alias	Optional. An alias for the table. If a table is used multiple times within a query definition, then every instance must be given an alias. NOTE: the first column lists the tables by their actual database names.
Relative Order	Currently unused.

Display Name	A “user-friendly” name for the table. This is the name which will be presented to end users within the query interface.
Required	If flagged (checked), indicates that this table and its join clause, must always be included in the SQL statement generated by QueryMill. If not required, a table will only be included when 1) one of its columns is selected (by the end user) for inclusion in a query result set, or 2) one of its columns has a criteria value provided on the query screen.
Join Clause	Optional. Specifies SQL syntax to be used to join this table (if included in a query) to the other tables in the query. NOTE: do not include a WHERE or AND at the beginning of this value. For example, specify “table1.fk_column = table2.pk_column”

To remove a table from the query definition, simply check the Delete checkbox (at far right) for the table; it will be deleted when the form is submitted.

List of Query Tabs (dsp_select_tabs.cfm)

This screen, entered by clicking on the “Tabs” link for a query definition, allows specification of tabs to be included in the query definition. These tabs will appear on the query screen when an end user accesses the query definition. No tabs are required; the tabs simply provide a means of organizing query criteria on the query screen.

Tabs currently existing within the query definition are listed. Editable attributes are as follows:

Attribute	Meaning
Relative Order	Controls the order in which the tabs will be displayed on the query screen for this query definition.
Tab Name	Names the tab. The tab name will be displayed on the tab.
Query Template	Not fully implemented. Optional. Tab contents are by default laid out by QueryMill. If a custom presentation is desired for the tab, the name of a ColdFusion template may be entered here.

To remove a tab from the query definition, simply check the Delete checkbox (at far right) for the tab; it will be deleted when the form is submitted. To add a new tab, enter the appropriate values

for its attributes in the blank row at the bottom of the list. Prior to clicking the Save Changes button, select the Add Tab checkbox.

Maintenance Tasks List

[Query Definition List](#) [Query Definition Detail](#) [Query Tables](#) [Query Tabs](#) [Display Columns](#) [Query Columns](#)

Add Column(s)

f.community_id
f.facility_name
f.services_provided
o.organization_id
r.borough
r.census_area
r.commercially_insured

To Tab:
Facility
Organizations

-- OR --

Column Name	Tab	Show in Query	Display Name	Data Type	Query Presentation	Query Order	Delete
o.community_id		<input type="checkbox"/>	community_id	Numeric	Text	32767	<input type="checkbox"/>
f.facility_id	Facility	<input checked="" type="checkbox"/>	Facility	Numeric	Multi-Select	32767	<input type="checkbox"/>
o.organization_name	Organizations	<input checked="" type="checkbox"/>	Organization Name	Text	Multi-Select	32767	<input type="checkbox"/>

Save Changes Cancel Set Order

[About QueryMill](#)

User: Stan Halfacre [Steering Committee Login](#)

List of Query Columns (dsp_select_query_columns.cfm)

This screen, entered by clicking on the “Query Cols” link for a query definition, allows specification of columns to be included on the query screen for the query definition. These are the columns which will allow entry or specification of selection criteria by end users of the query.

At the top of the screen is a list of all columns existing within the tables which have been included in the query definition. Each column is prefixed with the alias for its table; if no alias was entered, the table name will be used. Select one or more columns from this list, then click the Add Column(s) button to add the columns to the query definition. (NOTE: editing done on the lower part of the form – such as marking a column for deletion or changing a display name – will be applied when adding columns.) You may optionally select a tab to which the columns should be added.

The lower part of the screen lists columns which are already part of the query definition. Following are the column attributes which can be entered:

Attribute	Meaning
Tab	Optional. If tabs are being used, specifies the tab on which this column should be displayed for criteria input.
Show in Query	If checked, this column will be displayed for user input. Specifying

	query columns which are not displayed allows form fields or URL query strings to pass criteria into a query. Note that the query string or form name must specify the column name just as it is shown on this screen, in other words table_alias.column_name.
Display Name	A “user-friendly” name for the column. This is the name which will be shown to the end user on the query screen.
Data Type	Specifies a simple data type for the column.
Query Presentation	<p>The query presentation specifies how the column should be presented to the user when gathering query criteria. Presentation definition consists of three parts:</p> <ol style="list-style-type: none"> 1. Type of presentation: text (user types value), radio buttons, checkboxes, dropdown, or multi-select. 2. Additional information: allow range (applies only to Text presentation type – generates two input boxes), code table (values come from a predefined list of codes/values), lookup list (values are generated by a predefined SELECT statement), or Y/N (values are “Y” and “N”). 3. If Code Table or Lookup List is selected, clicking on the “...” will bring up a dialog box allowing for selection of the desired lookup list or code table.
Query Order	Specifies the order in which the columns should be presented to the user. See the description of the Set Order button below.

To remove a column from the query definition, simply check the Delete checkbox (at far right) for the column; it will be deleted when the form is submitted.

If a large number of query columns are present, it may be easier to reorder them by clicking on the Set Order button at the bottom of the form. This will pop up a dialog box allowing the columns to be ordered by selecting them and clicking up or down arrows.

The screenshot shows the 'Maintenance Tasks List' screen in the Alaska Primary Care Database System. The browser window title is 'Alaska Primary Care Database System - Microsoft Internet Explorer'. The address bar shows 'http://localhost/ruralhealthcare/production%20system/application/default.cfm'. The navigation bar includes links for Home, Standard Reports, GIS, Links, Query, Raw Data Reports, and Maintenance. The 'Maintenance' tab is selected, and the 'Query Definition List' link is active. Below the navigation bar, there is a section for 'Add Column(s)' with a list of columns: f.community_id, f.facility_id, f.facility_name, f.services_provided, o.community_id, o.organization_id, and o.organization_name. Below this list, there is a table of existing columns with their display names, display orders, and delete checkboxes.

Column Name	Display Name	Display Order	Delete
r.community_name	Community	1	<input type="checkbox"/>
r.community_name	Community	1	<input type="checkbox"/>
r.community_name	Community	1	<input type="checkbox"/>
r.community_name	Community	1	<input type="checkbox"/>
r.community_name	Community	1	<input type="checkbox"/>
r.community_name	Community	1	<input type="checkbox"/>
r.borough	Borough	2	<input type="checkbox"/>
r.borough	Borough	2	<input type="checkbox"/>

User: Stan Halfacre [Steering Committee Login](#)

List of Display Columns (dsp_select_disp_columns.cfm)

This screen, entered by clicking on the “Display Cols” link for a query definition, allows specification of columns to make available as result columns for the query definition. End users of the query will be able to select from amongst these columns when determining what to include in their results.

At the top of the screen is a list of all columns existing within the tables which have been included in the query definition. Each column is prefixed with the alias for its table; if no alias was entered, the table name will be used. Select one or more columns from this list, then click the Add Column(s) button to add the columns to the query definition. (NOTE: editing done on the lower part of the form – such as marking a column for deletion or changing a display name – will be applied when adding columns.)

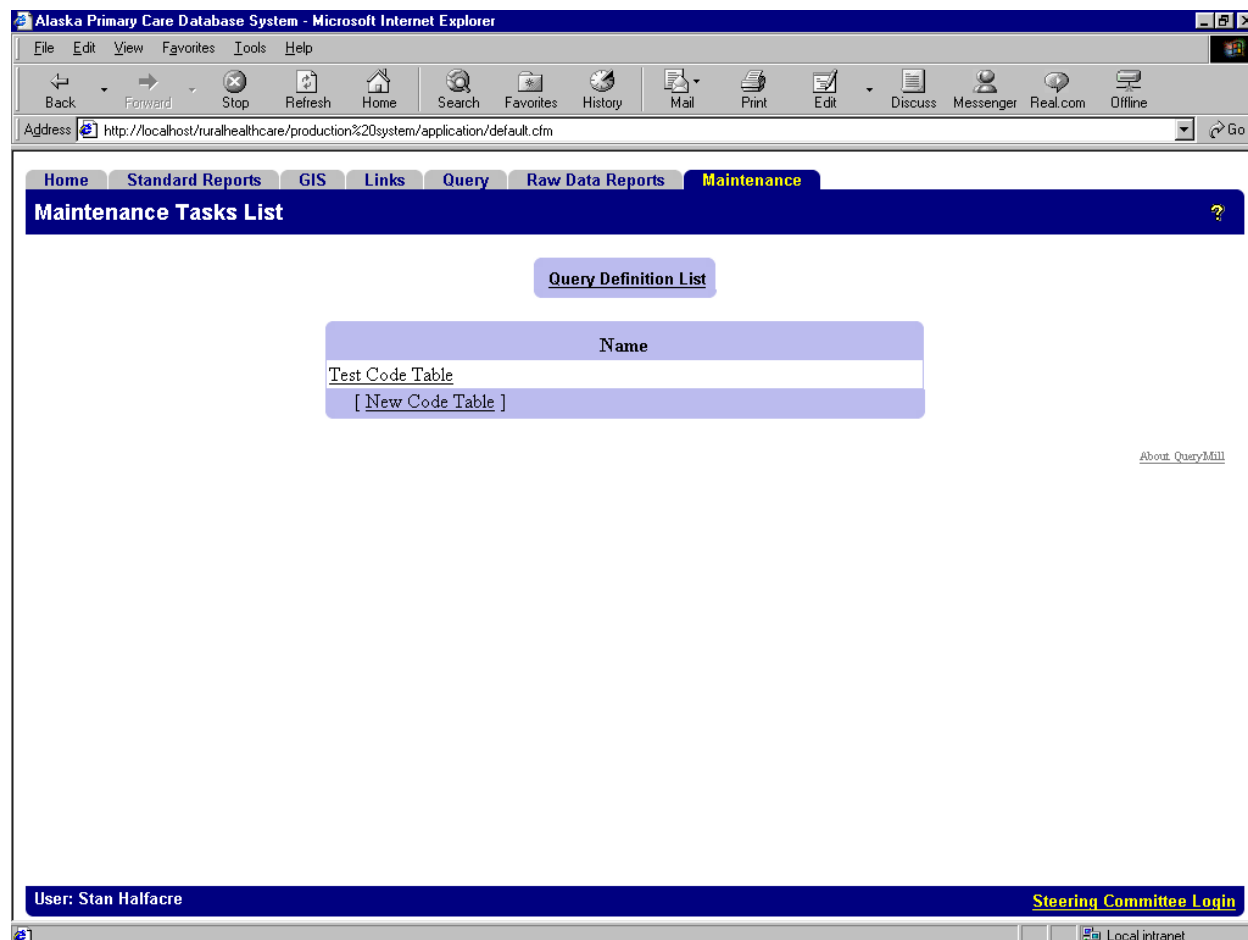
The lower part of the screen lists columns which are already part of the query definition. Following are the column attributes which can be entered:

Attribute	Meaning
Display Name	A “user-friendly” name for the column. This is the name which will be shown when users are selecting result columns, as well as in the

	query results.
Display Order	Specifies the default order in which the columns will be presented in the query results. (This order may be overridden by the end user of the query.) See the description of the Set Order button below.

To remove a column from the query definition, simply check the Delete checkbox (at far right) for the column; it will be deleted when the form is submitted.

If a large number of columns are present, it may be easier to reorder them by clicking on the Set Order button at the bottom of the form. This will pop up a dialog box allowing the columns to be ordered by selecting them and clicking up or down arrows.



List of Code Tables (dsp_select_codes.cfm)

This screen, entered by clicking on the “Code Tables” link at the bottom of the List of Query Definitions, allows for maintenance of code tables. Each named code table houses a list of codes and corresponding values. Code tables can be used as a source of data for several of the query presentation styles described in the Query Columns section.

To edit an existing code table, click on the link which is the name of the code table. To create a new code table, click the New Code Table link at the bottom of the list.

Alaska Primary Care Database System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address <http://localhost/ruralhealthcare/production%20system/application/default.cfm> Go

Home Standard Reports GIS Links Query Raw Data Reports **Maintenance**

Maintenance Tasks List ?

[Query Definition List](#) [Code Table List](#)

Code Table Name:

Code	Value	Delete
No	0	<input type="checkbox"/>
Yes	1	<input type="checkbox"/>
<input type="text"/>	<input type="text"/>	

Save Changes (☐ Add Code) Cancel

[About QueryMill](#)

User: Stan Halfacre [Steering Committee Login](#)

Done Local intranet

Code Table Detail Screen (dsp_edit_code_def.cfm)

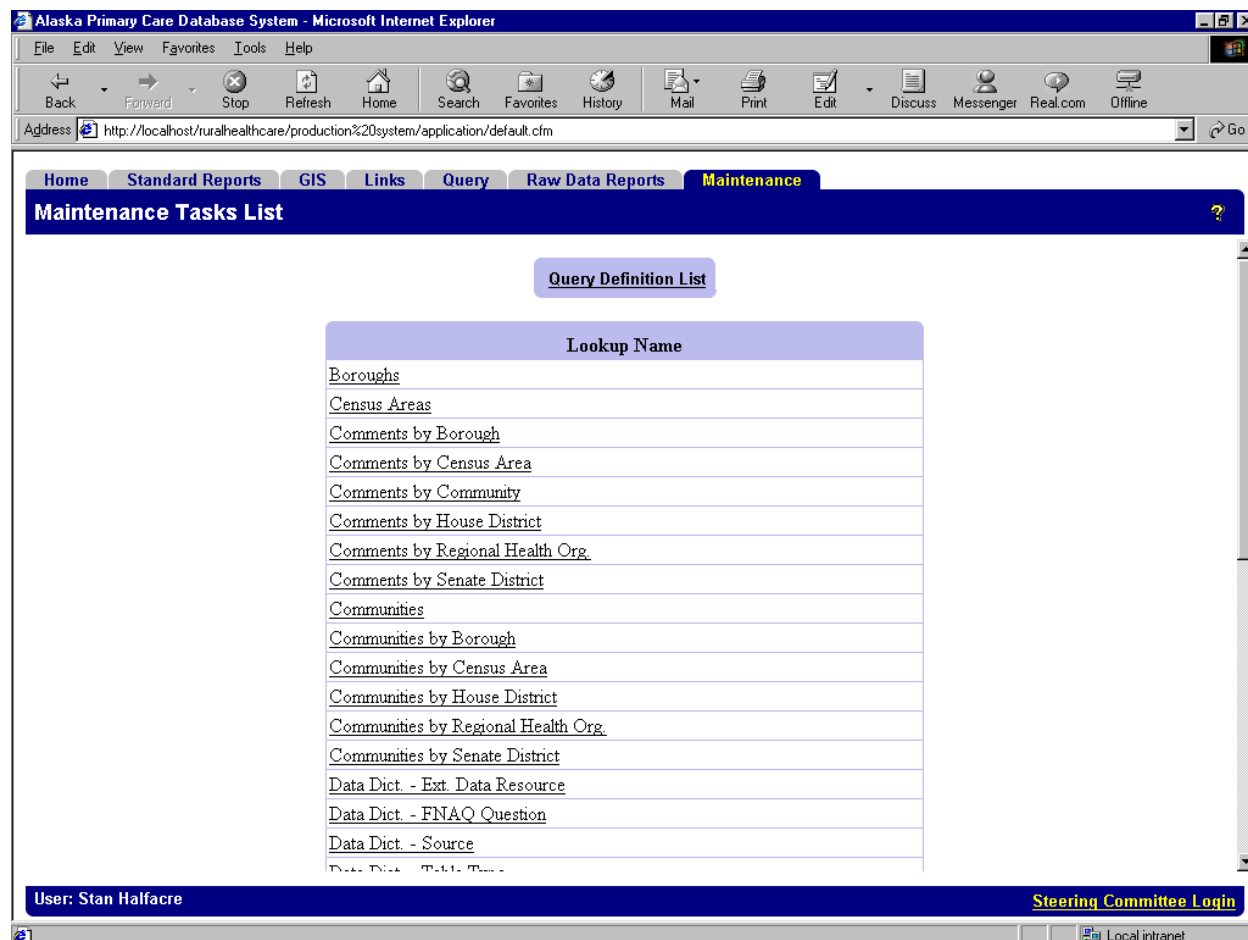
This screen, entered by clicking on the name of a code table on the List of Code Tables, allows for definition and maintenance of a code table. (NOTE: this screen is also used for new code tables.) The name of the code table can be entered at the top of the screen.

Below the code table name is a list of code definitions. Code attributes are as follows:

Attribute	Meaning
Code	Typically a very short string. Codes are abbreviations or substitutions for standardized data, and are stored within the data. For example, "1", "2", and "3" may be used to represent different types of shipping methods.
Value	The string value represented by this code. In the example used, 1 might represent "US Postal Service," 2 might represent "UPS," and 3 might represent "Federal Express."

To delete a code definition, check the Delete checkbox next to it. The code definition will be deleted when the form is submitted.

To add a code definition to the code table, fill in the appropriate values in the blank row at the bottom of the list. Make sure the Add Code checkbox is checked before submitting the form.



List of Lookup Tables (dsp_select_lookups.cfm)

This screen, entered by clicking on the "Lookup Tables" link at the bottom of the List of Query Definitions, allows for maintenance of lookup tables. Each named lookup table defines a SQL SELECT statement which can be used to populate a lookup list. Lookup tables can be used as a source of data for several of the query presentation styles described in the Query Columns section.

To edit an existing lookup table, click on the link which is the name of the lookup table. To create a new lookup table, click the New Lookup link at the bottom of the list.

Alaska Primary Care Database System - Microsoft Internet Explorer

File Edit View Favorites Tools Help

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Address http://localhost/ruralhealthcare/production%20system/application/default.cfm Go

Home Standard Reports GIS Links Query Raw Data Reports Maintenance

Maintenance Tasks List

Query Definition List Lookup List

Lookup Name: Communities

SELECT Statement: select community_id, community_name from community order by community_name

Value Column: community_id

Display Column: community_name

Save Changes Cancel

Replicate this lookup as Communities Go!

About QueryMill

User: Stan Halfacre Steering Committee Login

Done Local intranet

Lookup Table Detail Screen (dsp_edit_lookup_def.cfm)

This screen, entered by clicking on the name of a lookup table on the List of Lookup Tables, allows for definition and maintenance of a lookup table. (NOTE: this screen is also used for new lookup tables.) Lookup table attributes are as follows:

Attribute	Meaning
Lookup Name	A name for the lookup table. This name will appear in lists of lookup tables.
SELECT Statement	Enter the entire SQL SELECT statement which will generate the desired list of lookup values.
Value Column	This column is frequently, but not necessarily, a primary key column in a lookup table. Values from this column will be used as query criteria in SELECT statements generated by QueryMill.
Display Column	When the lookup table is used on a query screen, values from this column will be displayed to the user.

NOTES:

- Both the Value Column and the Display Column must be returned by the SELECT Statement.
- The Value Column and the Display Column may be the same column.

- The data being queried by the query definition must contain values found in the Value Column, or no rows will ever be returned.

From this screen, the lookup definition can also be replicated under a new name. Replication will copy the lookup definition under a new name. After entering a name and clicking the Go! button, the system will perform the replication, then present the Lookup Table Detail Screen for the new lookup definition.

Advanced Techniques

In some querying scenarios, a large number of query definitions may appear to be necessary. The following is a list of tips which may allow you to reduce the number of query definitions which you have to create and maintain. If none of these tips helps, at least remember the replication tool!!

- “Pre-Filtering” can be implemented by passing a value into a query. You must pass in a form field or URL token which is exactly the same as a query column defined for the query definition. If, for example, you have a query column named (including the table alias) “emp.last_name,” you could have a form which lists employee last names in a list box. The list box (HTML <SELECT> must be named “emp.last_name.” The form must submit to dsp_query in the QueryMill directory. The form must also pass the appropriate query_def_id and user_id values.

Note that the value passed from the form does not **have** to be used in the query. It can be included to make sure that the filtering will take place if the user selects no additional criteria. However, it can also be referenced in a lookup table SELECT statement, so that the lookup list will be filtered by the value selected on a previous screen.

- By using the “single table results” mode, you can experiment with adding all of the possible result tables into the same query definition and giving them the same table alias. This allows other tables in the join definition to join to the result tables generically. This will obviously only work if all of the joins can be accomplished in exactly the same fashion. TIP: don’t make the aliases all the same until after you have selected all of the query and display columns from the tables.

Troubleshooting Techniques

Debugging a complex query definition can sometimes be a significant task. If error messages or unexpected query results are returned when testing a query, the following tips may prove helpful:

- Return results as HTML, until a new query definition has been thoroughly tested and debugged
- View the SQL Syntax being generated, via the Show SQL button on the results screen, and check that all SQL is syntactically correct
- Review lookup lists, table joins, and column names for typos or syntax errors
- Temporarily change Query Presentation to Text for all query columns, then change back to desired format one at a time, to determine which query column is not working as expected
- Run query with as few limiting criteria as possible, so that the results can be examined to determine if one or more criteria fields contain values other than those previously specified

If you already have a similar query, it may also be helpful to use the 'Replicate this query as' option, on the query definition screen, to copy and modify an existing query, rather than starting from scratch.

ALASKA PRIMARY CARE DATA SYSTEM TRAINING DOCUMENTATION

The enclosed packet of training information is to assist the Primary End User in fully utilizing the Alaska Primary Care Data System (APCDS) to meet their unique business needs. The User is encouraged to experiment with the System and use this documentation as instructions for learning basic ad hoc queries, extracting information from the APCDS and how to maneuver within a Geographic Information System.

Overview

Select one of the following Help topics:

- [Glossary](#)
- [Creating an APCDS Query](#)
 - [Query List](#)
 - [Query by Community](#)
 - [Specify Display & Sort Columns](#)
 - [Specify Sort Order / Breaking / Aggregation](#)
 - [Query Report](#)
- [Data Dictionary](#)
- [Standard Reports](#)
- [Raw Data Reports](#)

Glossary

Go to Overview

Most of the terminology used in this help system is based directly on the nomenclature of Microsoft. Please review the user manuals or online books if there are any questions on the Windows environment.

Term

Definition

Aggregation

This defines how report data in a selected column will be tabulated. Aggregated values will be shown at each break and at the end of the report. The choices in the APCDS are: None, Total, Row Count and Value Count.

None

No data tabulation.

Total

Provides sum of data in a column.

Row Count

Provides count of rows.

Value Count

Provides count of actual data values, does not count rows with no value in the column.

APCD

The Alaska Primary Care Database, a subset of the APCDS, contains data from the April, 2000 questionnaire and multiple external data resources such as the Emergency Medical Service and Indian Health Service databases.

APCDS

The Alaska Primary Care Data System contains the APCD, standard reports, links to other systems, an ad hoc query tool and a Geographic Information System (GIS) component.

Break

A report formatting choice for delineating between sections of data. Any column selected as a sort column may optionally be used as a break column; i.e., a break will occur each time the value in the column changes from the value in the previous row. Any selected aggregations will be shown in each break. For example, a query could be specified with sorts and breaks on Census Area, with an aggregation type of "Row Count" for the Census Area column. The resulting data will be ordered by Census Area and each time the Census Area value changes, a row count will be inserted.

Button

A small, raised, rectangular control used to perform an action. A command is triggered when the button is clicked. Example: ■

Click

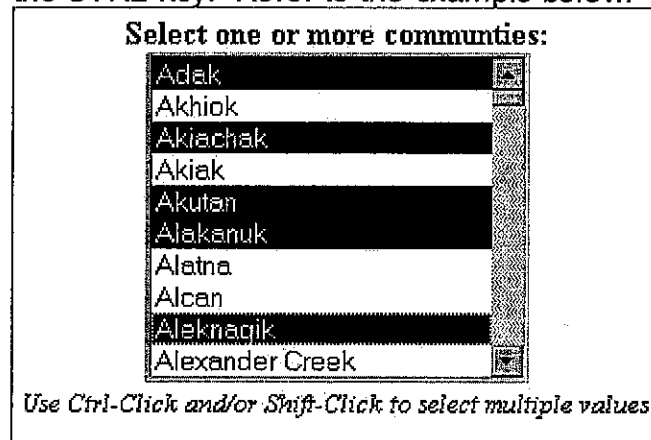
Press and release the left mouse button.

Double Click

Press and release the left mouse button twice in rapid succession.

List Box

A list of choices used to facilitate data entry or query criteria specification. Depending upon the usage, one or more items may be selected from the list. To select continuous items in the list, click the first item then click the last item while pressing the SHIFT key. To select non-continuous items, click the first item then click other items while pressing the CTRL key. Refer to the example below.

**Query**

A process for obtaining desired data from a database with the output in report format. For the APCDS, ad hoc queries are made by Primary End Users into the APCD.

Raw Data Reports

These lengthy reports contain the supporting raw data for various Standard Reports. Raw Data Reports are predefined, fixed reports derived from the APCD.

Sort Direction

Data from a query is usually reported in either ascending or descending direction. An ascending example is alphabetical order or from 1 to 10, whereas descending is reverse alphabetical or from 10 down to 1.

Standard Reports

Predefined, fixed reports derived from the APCD. The data remains the same unless a different report is generated, put in pdf format and posted in the APCDS.

[Go to Overview](#)

Creating an APCDS Query

Go to Overview

All queries into the Alaska Primary Care Database (APCD), a subset of the APCDS, go through the same sequence of steps listed below. The query process begins at a high level and incrementally telescopes down to the level of desired detail. Each title listed below reflects procedures for that particular query screen.

■ **Query List**

■ **Query by Community (.....or by whatever was selected from the Query List)**

■ **Specify Display & Sort Columns**

■ **Specify Sort Order / Breaking / Aggregation**

■ **Query Report**

Query List

Go to

Overview

- In the Query List view, select one category for the overall query.
- Select one or more items from the List Box, then define one of the four general Query categories.

To make multiple selections, hold the Ctrl key down and click on the desired items. To select a large number of sequential items, hold the Shift key down and the down/up arrow keys to highlight selected items.

Enter the selections by clicking on the "Query by Community" button at the bottom of the screen.

Select one or more communities:

Adak	<input type="checkbox"/>
Akiak	<input checked="" type="checkbox"/>
Akiachak	<input type="checkbox"/>
Akiak	<input type="checkbox"/>
Akutian	<input checked="" type="checkbox"/>
Alakanuk	<input type="checkbox"/>
Alatna	<input type="checkbox"/>
Alcan	<input type="checkbox"/>
Aleknagik	<input checked="" type="checkbox"/>
Alexander Creek	<input type="checkbox"/>

Use Ctrl-Click and/or Shift-Click to select multiple values

- Query ☒ Programs
☐ Facilities
☐ FNAQ Comments
☐ External Data

Query by Community

Note, the title listed on the button may be different as it will reflect the selection from the original Query List.

- **Go to Query by Community**, the next step in building an APCDS query.

Query by Community (.....or by whatever was selected from the Query List)

Go to

Overview

- Select one or more items from the List Box.

The screenshot shows a web-based interface for selecting an organization. At the top, there's a tab labeled 'Organization'. Below it are three buttons: 'Reset Form', 'Clear This Tab', and 'Clear All Tabs'. The main area is titled 'Organization Name' and contains a list box with the following items: Arctic Village (Unincorporated), Arctic Village Council, ASNA, BBAHC, Chignik Lake (Unincorporated), Chignik Lake Traditional Council, and Chugachmiut. To the right of the list box is a vertical scrollbar. Below the list box, a text prompt reads 'Use Ctrl-Click and/or Shift-Click to select multiple values'. At the bottom left, there's a label 'Return results as:' followed by a pull-down menu currently set to 'HTML'. To the right of the menu is a small square icon. At the bottom left corner is a 'Go!' button, and at the bottom right corner is an '[Advanced]' link.

- Select the desired report format from the pull-window next to "Return results as:". The report may be formatted in either HTML, Excel or Word.
- DO NOT CLICK "Go!" at this time. Click on "[Advanced]" for a more detailed query selection.
- Go to Specify Display & Sort Columns, the next step in building an APCDS query.

Specify Display & Sort Columns

Go

to Overview

- Look in the upper right hand corner for "Select Result Table:". (This may or may not be visible as it depends on the selected query.) Select one Result Table from the pull-down list.

Specify Display & Sort Columns Select Result Table: **P3-Program Administration**

Available Columns:		Display Columns:		Sort Columns:
Census Area	Show > All >> < Hide << All	Community	Sort > All >> < Don't << All	Community
Borough		Org. Name		Projected Operating Budget
Senate District		Projected Operating Budget		Cur. Operating Budget
House District		Cur. Deficits		Cur. Deficits
		Regional Health Org.		
		Governing Body?		
		Admin Org.		

Next > Back to Query

- Highlight the desired item from the "Available Columns" list, which shows the available subjects, then click the Show button to select that particular subject matter. Once selected, the "Display Columns" window will show those selected subjects. Use the Hide button to deselect a subject.
- The User may organize the columns in the query report by highlighting the desired first column then clicking on the blue up or down arrows to organize the columns as desired. The double blue arrows automatically move the selected topic to either the top or bottom of the list. (This is useful when there are numerous display columns and the User wants to quickly move, for example, "Community" to the first column by which data is organized.)
- The "Sort Columns" list box determines the order in which the results will be sorted. The first column in the list box, the column at the top, will be first in the sort order. In the example image, the data will be sorted by Community first, then the Projected Operating Budget, the Current Operating Budget and lastly the Current Deficits.
- Click on the "Next" button.

- Go to Specify Sort Order/Breaking/Aggregation, the next step in building an APCDS query.

Specify Sort Order / Breaking / Aggregation

Overview

Go to

- Recheck the desired report column order as indicated under "Column". If changes are required, click on "Back to Query" and make the necessary adjustments.

Specify Sort Order / Breaking / Aggregation			Select Result Table:	P3 - Program Administration	
Column	Sort	Sort Direction	Break	Aggregation	
Community	1	Ascending	<input checked="" type="checkbox"/>	- None -	
Org. Name				- None -	
Projected Operating Budget	2	Descending	<input checked="" type="checkbox"/>	Row Count	
Cur. Operating Budget	3	Descending	<input checked="" type="checkbox"/>	Row Count	
Cur. Deficits	4	Descending	<input checked="" type="checkbox"/>	Row Count	
Regional Health Org.				- None -	
Governing Body?				- None -	
Admin Org.				- None -	

[Back to Query](#)

- Select the Sort Direction and Aggregation from their respective pull-down menus to reflect the desired data format. Click on the Break check box to delineate changes in the value of a specified column.
- Click on "Back to Query".
- Go to Query Report, the next step in building an APCDS query.

Query Report

Query by Community (.....or by whatever was selected from the Query List)

Go to Overview

- You are now ready to generate your query report. Click the "Go!" tab, in the lower left hand corner, and the report will automatically display on the screen.

Organization

[Reset Form] [Clear This Tab] [Clear All Tabs]

Organization Name

- Arctic Village (Unincorporated)
- Arctic Village Council
- ASNA
- BBAHC
- Chignik Lake (Unincorporated)
- Chignik Lake Traditional Council
- Chugachmiut

Use Ctrl-Click and/or Shift-Click to select multiple values

Return results as: **HTML**

Go! [Advanced]

Example of "Program 1" query that was selected to be a unique query only for the Primary End User and not to be shared with other Primary End Users.

Alaska Primary Care Database System - Microsoft Internet Explorer

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Address <http://ruralhealthcare.geonorth.com/application/default.cfm>

Home Standard Reports GIS Links Query Raw Data Reports

Query by Community [Query List](#)

Save as new query: ☒ Private

Save

- If it is the first time the query was run, the User has the opportunity to "Save as new query", in the upper left hand corner of the screen, thereby creating unique query profiles. Click on "Private" if the User does not want the query to be shared with other Primary End Users; conversely, if "Private" is not checked, the query will be accessible to all Primary End Users. Click on "Save" to save the query and its title.
- Print out the query report by clicking on the "Print" icon in the toolbar.

Data Dictionary

Go to Overview

The Data Dictionary provides both technical and historical information for data sets contained within the APCD. For example, a Primary End User may want to know how recent the population count is or the source for obtaining the population data. A Database Administrator, however, may need to know how many alpha or numeric characters are provided for in a particular data set. Both of these end users can query the Data Dictionary to find out answers to their respective questions.

The APCD is a highly complex database as numerous external data sources have been integrated into one system. **It is important to note that all APCD data is static**; i.e., the APCD data is not automatically updated once a change is made to one of the external resource databases. Because of this, it is important to ensure there is a process for maintaining the APCD data, including updating this Data Dictionary.

- Select or input the respective information in one or more of the sections below. The User does not need to select information from each section in order to create a query into the Data Dictionary; however, the query will be more refined if the User selects as much known information as possible.
- Once the query criteria is selected, click on [Advanced], in the lower right hand corner, and proceed with the advanced query selections to refine the report. Refer to Specify Display & Sort Columns, Specify Sort Order/Breaking/Aggregation and Query Report for instructions on how to complete the advanced query process. Once the advanced query selections have been made, click on the "Go!" button, in the lower left hand corner, to generate the Data Dictionary query report.
- The terms and definitions for the Data Dictionary are listed below:

Data Dictionary	
[Reset Form] [Clear This Tab] [Clear All Tabs]	
Table Name	<input type="text"/>
Table Type	<div>External Data Resource Questionnaire Data</div> <p><i>Use Ctrl-Click and/or Shift-Click to select multiple values</i></p>
Column Name	<input type="text" value="Population"/>
Data Source	<div>1994 Clinic Survey ArcInfo Nearest Hospital Query DCED EMS FAA FNAQ IHS</div>

- **Table Name:** Type in the name of the data table if known. For example, Program Staffing.
- **Table Type:** Select one of two choices: External Data Resource, if the data is not from the Questionnaire; or Questionnaire Data, if the data is from the Questionnaire.
- **Column Name:** Type in the name of the data column in question. In the example above, "Population" has been typed in.
- **Data Source:** This list defines all of the data sources within the APCD. One or more may be selected.

FNAQ Question	<div> <ul style="list-style-type: none"> F1.1 F1.10 F1.2 F1.3 F1.4 F1.5 </div> <div>Use Ctrl-Click and/or Shift-Click to select multiple values</div>
Original Source for DCED Data	<div> <ul style="list-style-type: none"> Alaska Public Regulatory Commission, multiple resources Based on U.S. Census by State legislature. Bureau of Indian Affairs City and Borough Audit DCED Survey performed in 1994 and 1998. Irregular updates. DCED's Municipal Official Directory </div> <div>Use Ctrl-Click and/or Shift-Click to select multiple values</div>
Return results as: <input type="text" value="HTML"/>	
<div>Go</div> <div>[Advanced]</div>	

- **FNAQ Question:** The User may select one or more specific Facility or Program questions from the April, 2000 Questionnaire.
- **Original Source for DCED Data:** This list defines the known DCED sources for User selection. The DCED data system is a compilation of data from numerous resources and obtained at various intervals.

[Go to Overview](#)

- If it is the first time the query was run, the User has the opportunity to "Save as new query", in the upper left hand corner of the screen, thereby creating unique query profiles. Click on "Private" if the User does not want the query to be shared with other Primary End Users; conversely, if "Private" is not checked, the query will be accessible to all Primary End Users. Click on "Save" to save the query and its title.
- Print out the query report by clicking on the "Print" icon in the toolbar.

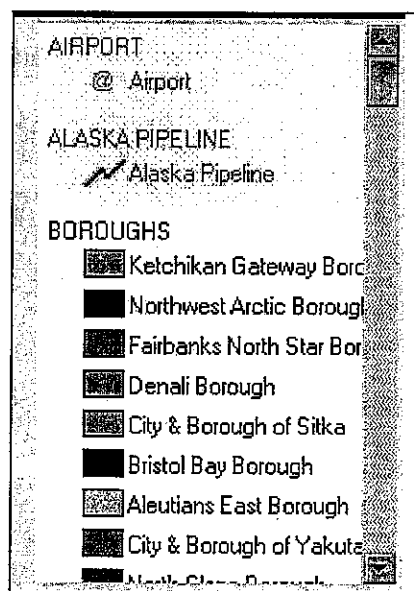
Glossary of Terms - GIS

The following terms will assist the first time user of the APCDS Geographic Information System (GIS) which contains graphical representation of aggregate APCD data.

<u>Term</u>	<u>Definition</u>
APCD	The Alaska Primary Care Database, a subset of the APCDS, contains data from the April, 2000 questionnaire and multiple external data resources such as the Emergency Medical Service and Indian Health Service databases.
APCDS	The Alaska Primary Care Data System contains the APCD, standard reports, links to other systems, an ad hoc query tool and a Geographic Information System (GIS) component.
Identify Icon	The Identify tool, the icon is located on the <u>Toolbar</u> , allows the User to single click on a feature in the active layer and have a single attribute displayed in the map window. The attributes that are displayed are chosen by the administrator.

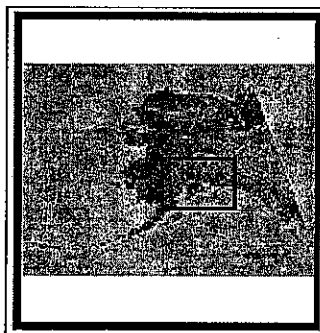


Legend	The color and/or symbol coding for the layer subject matter. The Legend and <u>Sidebar</u> windows can be turned on/off by their respective icons found on the <u>Toolbar</u> .
---------------	---



Locator Map
map.

A blue box shows you the viewing area relative to the full extent of the



Map

Reflects the graphical information from the Sidebar's selected layers, selected scale and defined location within the state.



Map Tips Icon

The Map Tips tool, the icon is located on the Toolbar, allows the User to hold the mouse cursor over a feature in the active layer, without any mouse clicks, and have a single attribute displayed in the map window. The attribute that is displayed is chosen by the administrator.



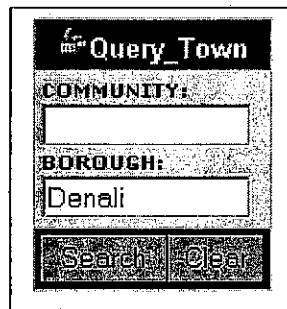
Pan Icon

The Pan tool, the icon is located on the Toolbar, allows the User to scroll to adjacent portions of the map that are currently not displayed. To use the tool, click and hold the first mouse button down to drag portions of the map that are not visible into the map window.



Query Box

Allows the User to run queries against select fields in the database. If data is entered in both fields, all of the values are searched together. The Query Box is not case sensitive. MapOptix also allows the User to enter only a portion of a name and it will find all partial matches. To return to the query choice box to select a different query, click on the icon, in the upper left hand corner, at the top of the Query Box window.



Query_Town

COMMUNITY:

BOROUGH:

Denali

Search Clear

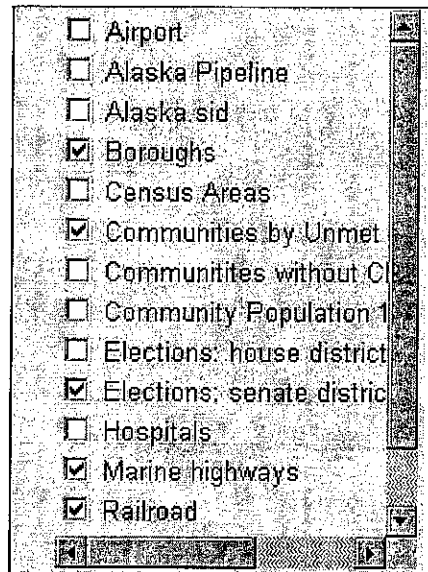
Results Frame

Tabular results from Queries will show up in this frame at the bottom of the screen.

Query Results					
Query_Town (8 Records)					
COMMUNITY	UNMET NEED (\$)	BOROUGH	CENSUSAREA	RHO	HOUSE D
Anaktuvuk Pass	\$ 0	North Slope Borough	North Slope	NORTH SLOPE BOROUGH	37.0
Atkasuk	\$ 0	North Slope Borough	North Slope	NORTH SLOPE BOROUGH	37.0
Kaktovik	\$ 0	North Slope Borough	North Slope	NORTH SLOPE BOROUGH	37.0
Nuiqsut	\$ 0	North Slope Borough	North Slope	Unassigned	37.0

Sidebar

Different information will appear here based on selection of one of two icons in the Toolbar. The two panels projected by the icons are Layers (check box turns layers on/off) and Legend.



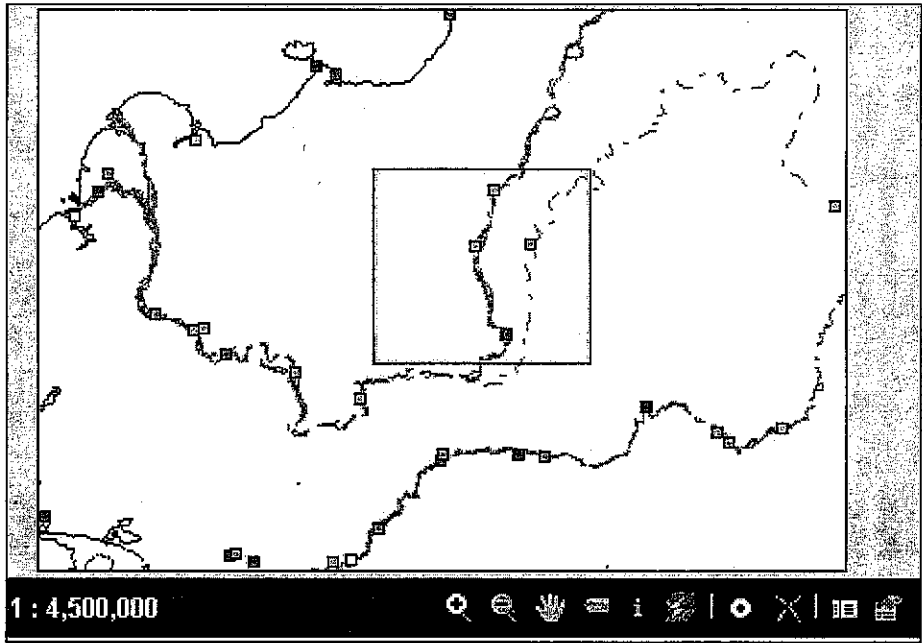
Toolbar

Allows the User to select the current tool (Zoom in/out, Pan, MapTips and Identify), deselect features or change the sidebar panel (Layers and Legend). When using either the map tips or identify tool, you will need to choose a layer to perform the action upon from the pull-down menu on the right side of the toolbar. The current APCDS GIS version does not have GeoSearch or Buffer queries at this time.



Zoom Levels

Zoom level is represented through the bubbles to the left of the main map display. The top zoom bubble is the furthest out, the bottom bubble is the closest in. The red bubble shows your current level whereas the globe with the magnifying glass is the maximum extent. The User may also simply position the cursor on the map near the site to zoom in on. With the cursor in the lower right hand corner of the desired map area, click and hold down the mouse button moving towards the upper left hand corner. A red box will appear, also called the "rubberband", showing the selected area. Upon release of the mouse button the map will automatically zoom down to the desired map area.



APPENDIX B.1

APCDS INSTALLATION PROCEDURES

Database and Application Installation General Instructions

The Alaska Rural Primary Care Needs Assessment system consists of four major components: the Alaska Primary Care Database (APCD), the Alaska Rural Primary Care Facility Needs Assessment (ARPCFNA) application, the Alaska Primary Care Database System (APCDS) application, and a MapOptix GIS application. This document addresses the installation of the first three of those components. A familiarity with basic file and directory operations, Microsoft SQL Server 7.0 and its accompanying tools, Cold Fusion Server, and your web server software are assumed by this documentation.

Alaska Primary Care Database (APCD)

The APCD is a Microsoft SQL Server, version 7.0, database. It contains all the system and data tables required by both the ARPCFNA and APCDS applications. It is provided on the installation CD, in the MSSQLBackup directory, in the form of an SQL backup file (anthc_rhc). To install the database on a new server, the steps listed below are required:

- Copy the backup file, anthc_rhc, to a directory visible to the new database server

Using the Microsoft SQL Enterprise Manager:

- Create a new database, anthc_rhc, on the new database server.
- Create a new login, anthc_rhc, on the new database server. (Note: In the interest of security, the required login password has been omitted from this documentation.) Give this login access to the anthc_rhc database and set its default database as anthc_rhc. Grant all server roles to this login.
- Restore the anthc_rhc backup file into the anthc_rhc database

Using the Microsoft SQL Query Analyzer:

- As sa, run the "Fix Logins After Restore.sql" script (found on the installation CD, in the "Ruralhealthcare\SQL Scripts" directory), as sa, against the anthc_rhc database.
- Connect as anthc_rhc, and run a query against one of the anthc_rhc tables (for example, "select * from questionnaire"), to ensure that the database was properly restored and is accessible from the anthc_rhc login. If no results are returned, review the previous steps and ensure that all have been executed properly, then retry the query.

Installing the Applications (ARPCFNA and APCDS)

Installation of the applications is accomplished by completing the following steps:

- Create a new directory on your web/Cold Fusion server (we suggest naming this directory Ruralhealthcare, although that is not a requirement).
- Create a virtual directory for this new directory (for example APCDS).
- Copy all the files from the Ruralhealthcare directory, on the installation CD, to the newly created directory.
- Move all the contents of the Application\CustomTags directory, from the under the newly created directory to the CFUSION\CustomTags directory on the Cold Fusions server.
- Using any text editor, edit the app_globals.cfm templates, in both the Ruralhealthcare and Ruralhealthcare\application directories to point both the base and document directory variables to the correct paths for your installation.

Configuring Cold Fusion ODBC Datasource Entries

The applications (ARPCFNA and APCDS) require that three ODBC datasources be defined on the Cold Fusion server, as follows:

The screenshot shows the ColdFusion Administrator interface in a Microsoft Internet Explorer browser window. The address bar shows the URL `http://192.168.4.50/CFIDE/administrator/index.cfm`. The left sidebar contains a tree view with categories: **server** (Settings, Basic Security, Variables, Mappings, Version Info), **data sources** (ODBC, Native Drivers, OLE DB, Verify Data Source), **extensions** (CFX Tags, Applets), **logging** (Settings, Mail Logging, Log Files), **automated tasks** (Settings, Scheduled Tasks), and **miscellaneous** (Mail, Debugging, Verify, Source Control). The main content area is titled 'Edit ODBC Data Source [Microsoft SQL Server Driver]'. It contains the following fields and options:

- Data Source Name:** `anthc_rhc`
- Description:** `ANTHC Rural Health Care`
- Server:** `Insert your MS SQL 7 server here`
- ☐ **Use Trusted Connection**
- Login Info:** Database `anthc_rhc`, Language `(Default)`
- ☒ **Generate Stored Procedure for Prepared Statement**
- ☒ **Convert OEM to ANSI characters**
- Login Timeout:** `120`
- Limit Connections:** ☐ Enable the limit of simultaneous connections
- ColdFusion Login:** Username `anthc_rhc`, Password `*****`
- ☒ **Maintain database connections** - Check this box to maintain connections to data sources across client requests.
- Connection Timeout:** minutes
- Restrict SQL Operations to:**
 - ☐ SELECT ☐ INSERT ☐ Stored Procedures
 - ☐ DELETE ☐ UPDATE

At the bottom of the form are buttons for `Update`, `Delete`, `Cancel`, and `Simple >>`.

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Specifying the Startup Template

In your web server configuration, you will need to ensure that default.cfm is included in the list of default documents, at the beginning of the list if possible. In addition, if index.cfm is included in the list, it must appear after default.cfm.

You are now ready to test your installation by going to the new URL, with your browser.

Updating External Data Resources General Instructions

In addition to data input via the Facility Needs Assessment Questionnaire (FNAQ), the Alaska Primary Care Database (APCD) contains reference data from a variety of external data resources. The maintenance of these external data resources is the subject of this document.

All external data resources are maintained via the APCD System (APCDS) **Maintenance** tab, **Maintain External Data Resources** choice. This choice displays a list of external data resources, along with update status information and links to view update instructions, update the data, or edit the external data resource definition.

View Update Instructions

Clicking the **Instructions** link, for a specific data resource, displays a brief description of the prerequisites for updating data from that resource, as well as an image of the affected APCDS tables. This information is in PDF format, and can be viewed on screen or printed out, as desired. For your convenience each of these pages is also included at the end of this document.

Update the Data

Clicking the **Update** link actually performs the update for the external data resource. Prior to updating it is necessary to ensure that all the prerequisites, accessed via the **Instructions** link, have been met. If the update is successful, the **Last Updated** and, optionally, the **Next Update Due** fields will be updated onscreen.

If any errors occur, an error message will be displayed. Once the error condition is resolved, the update process can be run again, to actually update the data. One situation that may cause an error is the presence of blank lines at the end of a tab-delimited text file, used by some of the updates (see the **Instructions** link to determine if this applies to the particular data resource you are updating). If an error occurs, first edit the text file and delete all blank lines, past the end of the actual data. This will resolve the problem, if that is the cause of the error.

Edit the External Data Resource Definition

Clicking the **Edit Definition** link allows the **Description**, **Update Interval**, **Update Interval Unit**, and **Next Update Due** fields to be updated. All of these fields are optional. The **Description** field is intended to permit a more detailed description of the data resource. The **Update Interval** and **Update Interval Unit** fields are intended for use with data resources that are updated on a regular basis. They are used to calculate the **Next Update Due** field, based on the **Last Updated** field. If desired, a **Next Update Due** date can be input directly, if the specific date for the next update is known.

Note: The data for the **Maintain External Data Resources** list is dynamically generated from the ext_data_resource table, in the APCDS. Adding additional external data resources to this page is easily accomplished. One of the existing update templates, dsp_upd_..., can be used as a starting point for the update template for the new resource. A code section, at the end of each of these templates creates a new, or updates the existing entry for that resource in the ext_data_resource table.

The community_xref Table

Because the community names in the external data resources do not always match those in the APCDS, a cross-reference table for community is used to link these tables. Because a considerable amount of research and judgment may be required to match up community names between resources, this process could not be automated. Therefore, if there is a mismatch on a particular community for a specific

resource, the corresponding entry in the community_xref table will need to be updated. This is easily accomplished, through the SQL Query Analyzer provided with Microsoft SQL Server, via a one line SQL script.

If additional external data resources are added in the future, it is important that the community_xref table be updated to provide an entry for each resource, for each APCDS community.

APPENDIX B.2

APCDS TECHNICAL DOCUMENTATION

SECTION B.2 APCDS TECHNICAL DOCUMENTATION

OVERVIEW

This Section contains vital information for maintaining the APCD data content. When updating the database, the Database Administrator is strongly encouraged to review this Section B.2 APCDS Technical Documentation and Section C.3 APCD External Data Source Contacts and Information, prior to downloading any updated data.

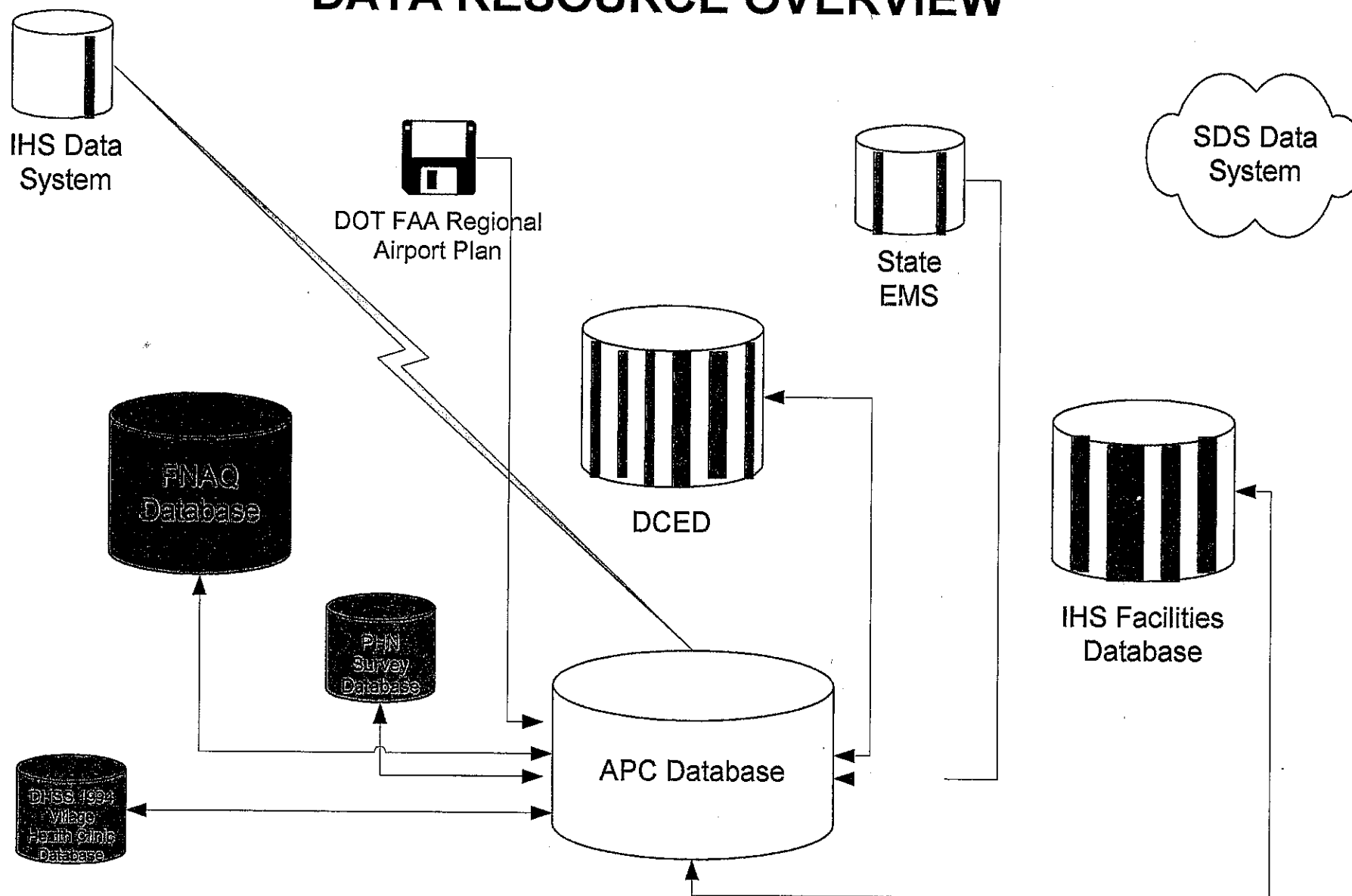
It is critical the Database Administrator analyzes the refreshed data for anomalies mentioned in the Unique Considerations and Concerns, as well as, ensure there is an entry in the community_xref table for that data resource.

The overall process for updating the external data resources is as follows:

1. Review Section C.3 APCD External Data Source Contacts and Information for the applicable external resource. Note any significant cautionary information.
2. Review Section B.2 APCDS Technical Documentation for the applicable external resource.
3. Follow the detailed technical instructions in Section B.2; however, prior to saving the data file to the data directory on the web server, make whatever changes are recommended as mentioned in Sections C.3 and B.2.

One of the challenges in building the APCD from external data resources was to match community information between various resources because frequently the communities and/or their information would not match up. For this reason it is important to analyze the data prior to updating the database to ensure the data is updated correctly.

DATA RESOURCE OVERVIEW



APC = Alaska Primary Care
 EMS = Emergency Medical System
 FNAQ = Facilities Needs Assessment Questionnaire

Updating External Data Resources APCD Data Dictionary

The data dictionary data loader (dsp_upd_datadictdata.cfm) loads data from tab-delimited text files into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

1. Update the corresponding spreadsheet (datadictionary.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save them there.
2. After re-saving the spreadsheet, do a Save As tab-delimited text for each tab, and save them as data_dict_census.txt, data_dict_clinic.txt, data_dict_dced.txt, data_dict_ems.txt, data_dict_faa.txt, data_dict_fnaq.txt, data_dict_ihs.txt, data_dict_misc.txt, data_dict_phn.txt, data_dict_priority.txt, data_dict_unmetneed.txt, and data_dict_vitalstats.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **APCD Data Dictionary**. It will delete all rows from the target (APCD) table, then repopulate that table with data from the tab-delimited text file.

The table populated by this process is displayed below:

data_dictionary	
<u>data_dict_id</u>	<u>numeric</u>
source	varchar(40)
table_type	varchar(25)
table_name	varchar(255)
column_name	varchar(255)
datatype	varchar(20)
definition	varchar(2000)
fnaq_question	varchar(10)
last_updated	varchar(20)
update_frequency	varchar(255)
next_update	varchar(20)
external_data_resource	varchar(2000)
apcd_number	varchar(10)
age_of_apcd_data	varchar(40)

Updating External Data Resources Commercial Services Airport Inventory (FAA)

The airport data loader (dsp_upd_airportdata.cfm) loads data from a tab-delimited text file into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

1. Update the corresponding spreadsheet (airport.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save it there.
2. After re-saving the spreadsheet, do a Save As tab-delimited text, and save it as airport.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **Commercial Services Airport Inventory**. It will delete all rows from the target (APCD) table, then repopulate that table with data from the tab-delimited text file.

The table populated by this process is displayed below:

airport	
<u>associated_city</u>	<u>varchar(40)</u>
<u>apcd_seq</u>	<u>char(1)</u>
runway	varchar(10)
length	numeric(5)
surface	varchar(4)
precision_approach	varchar(3)
approach_lighting	varchar(3)
taxiway_lighting	varchar(3)
runway_edge_lighting	varchar(3)

Updating External Data Resources Census

The census data loader (dsp_upd_censusdata.cfm) loads data from a tab-delimited text file into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

3. Update the corresponding spreadsheet (fips.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save it there.
4. After re-saving the spreadsheet, do a Save As tab-delimited text, and save it as fips.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **Census**. It will delete all rows from the target (APCD) table, then repopulate that table with data from the tab-delimited text file.

The table populated by this process is displayed below:

census_data	
<u>fips_code</u>	varchar(5)
census_place	varchar(40)
community_name	varchar(40)
city_cdp	varchar(4)
idx_census_community	

Updating External Data Resources Miscellaneous Community Data

The miscellaneous community data loader (dsp_upd_communitymiscdata.cfm) loads data from tab-delimited text files into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

5. Update the corresponding spreadsheets (costfactors.xls, near_hosp.xls, and travelmodeassignments.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save them there.
6. After re-saving the spreadsheets, do a Save As tab-delimited, and save them as costfactors.txt, near_hosp.txt, and travelmodeassignments.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **Miscellaneous Community Data**. It will delete all rows from the target (APCD) table, then repopulate that table with data from the tab-delimited text file.

The table populated by this process is displayed below:

community_misc	
<u>community_id</u>	<u>int</u>
community_name	varchar(40)
nearest_hospital_community	varchar(40)
airmiles_to_hospital	decimal(8,3)
cost_factor	decimal(4,2)
primary_travel_mode	char(1)
travel_mode_comments	varchar(255)
PK__community_misc__78B4BB21	

Updating External Data Resources 1994 Clinic Survey

The Clinic data loader (dsp_upd_clinicdata.cfm) loads data from the Clinic database, "Clinics4.mdb", into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

7. Place a copy of the Clinic database in the ruralhealthcare\application\data directory on the web server.
8. Create a Cold Fusion ODBC datasource for the database and name it anthc_rhc_clinic.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **1994 Clinic Survey**. It will delete all rows from the target (APCD) tables, then repopulate those tables with data from the Clinic database.

The tables populated by this process are displayed below:

tblAppropriations	
CommunityName	nchar(50)
SLA	nchar(50)
CH	nchar(3)
P	nchar(3)
L	nchar(2)
Department	nchar(50)
Amount	money
Text	nchar(16)
Description	nchar(50)
AR	nchar(5)

tblIRATING	
NAME	nchar(20)
ONE	float(53)
TWO	float(53)
THREE	float(53)
FOUR	float(53)
FIVE	float(53)
SIX	float(53)
SEVEN	float(53)
TOTAL	float(53)

tblClinicInfo	
CommunityName	nchar(50)
ClinicNumber	int
ClinicType	nchar(50)
Officer	nchar(40)
Address	nchar(25)
Phone	nchar(50)
PatientAverage	float(53)
Corporation	nchar(50)
DateBuilt	float(53)
LandOwner	nchar(50)
BuildingOwner	nchar(50)
SquareFeet	float(53)
Status	nchar(30)
Comments	nchar(16)
Utility	nchar(45)
Ratio	float(53)
Age	float(53)
Priority	float(53)
PJCost	float(53)
Water	nchar(25)
Sewer	nchar(25)
Electricity	nchar(25)
PHSLease	nchar(1)

tblClinicNameLookup	
CommunityName	nchar(50)
ClinicName	nchar(50)
ClinicNumber	int

tblHealthCorporationLookup	
HealthCorporationName	nchar(50)
StreetAddress	nchar(50)
POBox	nchar(50)
City	nchar(50)
State	nchar(50)
ZipCode	nchar(9)
Telephone	nchar(50)
FaxNumber	nchar(50)
UnderRegionalCorporation	nchar(50)

tblRegionalCorporationLookup	
RegionalCorporationName	nchar(50)
StreetAddress	nchar(50)
POBox	nchar(50)
City	nchar(50)
State	nchar(50)
ZipCode	nchar(9)
Telephone	nchar(50)
FaxNumber	nchar(50)

tblCommunityInfo	
CommunityName	nchar(20)
PreviousName	nchar(75)
IncorporationType	nchar(50)
Geocode	nchar(3)
Region	nchar(40)
Climate	nchar(16)
AverageTemperature	nchar(10)
Population	float(53)
Corporation	nchar(50)
Latitude	nchar(4)
Longitude	nchar(5)
ZipCode	nchar(9)
ED#	nchar(3)
EDLetter	nchar(1)
EDDescription	nchar(50)
Village Water	nchar(16)
Village Sewer	nchar(16)
Village Electric	nchar(16)
ANCSA	bit
PHSLEASE	nchar(1)



Updating External Data Resources Alaska Community Database Online (DCED)


The DCED data loader (dsp_upd_dceddata_2.cfm) loads data from a tab-delimited text file into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:


9. Request an updated data file from DCED. This is accomplished from the Maintain External Data Resources task list, as ***Ak. Community DB Online (DCED) - Step 1***. The resulting data file, DCEDDATA_RHC.txt, will be sent to the email account you specify.
10. When the data file is received, save it in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as ***Ak. Community DB Online (DCED) - Step 1***. It will delete all rows from the target (APCD) tables, then repopulate those tables with data from the tab-delimited text file.

The tables populated by this process are displayed below:

dced_data	
dced_data_1.COMM_BORO_NAME	varchar(30)
POPULATION	numeric(6)
INCRP_TYPE	varchar(50)
BOROUGH	varchar(50)
REG_NATIVE_CORP	varchar(50)
SCHOOL_DIST_REAA	varchar(50)
NUM_SCHOOLS_COMMUN	numeric(4)
NUM_STUDENTS_COMMUN	numeric(5)
HEAD_START	varchar(255)
REG_DEV_ORG_ARDOR	varchar(50)
REG_HOUSING_AUTH	varchar(50)
DCED_REG_OFFICE	varchar(10)
HOUSE_ELEC_DISTRICT	varchar(70)
SENATE_ELEC_DIST	varchar(30)
SALES_TAX	varchar(30)
PROPERTY_TAX	varchar(50)
SPECIAL_TAXES	varchar(100)
ALTERNATE_NAME	varchar(50)
RURAL	varchar(5)
CENSUS_AREA	varchar(30)
POP_1990	numeric(6)
MALE_POP	numeric(6)
FEMALE_POP	numeric(6)
NON_NATIVE_POP	numeric(6)
PCT_NATIVE_POP	numeric(7,4)
BLACK_POP	numeric(6)
OTHER_ETHNIC_POP	numeric(6)
HOUSING_UNITS	numeric(6)
OCCUPIED_HU	numeric(6)
VACANT_HU	numeric(6)
MEDIAN_RENT_PAID	numeric(6)
MEDIAN_FAM_HH_INCOME	numeric(6)
PCT_POVERTY	numeric(7,4)
PERSONS_AGE_16	numeric(6)
TOT_PERSONS_EMPLOYED	numeric(6)
PCT_UNEMPLOYMENT	numeric(7,4)
PIPED_WATER	varchar(5)
CENTRAL_WAT_PT	varchar(5)
WATER_TRUCK	varchar(5)
PCT_HH_PUB_SEWER	numeric(6,3)
PCT_HH_SEPTIC_SEWER	numeric(6,3)
PCT_HH_OTH_SEWER	numeric(6,3)
REFUSE_COLLECTOR	varchar(30)
LANDFILL_OPERATOR	varchar(30)
DEC_LNDFL_PERMIT	varchar(5)
POWER_SOURCE	varchar(50)
ELEC_CAPAC_KW	numeric(6)
PCE_SUBSIDY	varchar(5)
ELEC_RATE_KWH	numeric(6,3)
ALTERNATE_HEALTH_CARE	varchar(2000)
HEALTH_COMMENTS	varchar(2000)
CLINIC_STATUS	varchar(255)
YEAR_BUILT	varchar(10)
RUNNING_WATER	varchar(5)
FLUSH_TOILET	varchar(5)
CLINIC_CONTACT	varchar(255)
CLINIC_PHONE	varchar(30)
FIRE_RESCUE_FACIL	varchar(500)
IN_STATE_PHONE	varchar(255)
LONG_DIST_PHONE	varchar(255)
CABLE_PROVIDER	varchar(255)
TELECONF_SERVICE	varchar(255)
ACCOMODATIONS	varchar(1000)
COMMUNITY_HALL	varchar(255)
GYM_OR_POOL	varchar(255)
VILLCORP	varchar(150)
VILLCOUN	varchar(150)
FULL_NAME	varchar(50)
POSITION	varchar(50)
STREET_ADDRESS	varchar(80)
CITY	varchar(50)
STATE	varchar(2)
ZIP_CODE	varchar(10)
PHONE	varchar(30)
FAX	varchar(30)
FULL_NAME_2ND	varchar(50)
MUNICIPAL_NAME	varchar(50)
PLAN_ZONE_TITLE	varchar(40)
MUNICIPAL_FACIL_UTIL	varchar(500)
E_MAIL	varchar(100)
INTERNET_URL	varchar(100)
AUDIT_CFS	varchar(6)
REV_PER_CAPITA	numeric(5)
HEALTH_CLINIC_HOSP	numeric(8)
EXP_PER_CAPITA	numeric(5)
 dced_data_1	
 dced_data_2	

dced_data_1	
dced_data_id	int
COMM_BORO_NAME	varchar(30)
POPULATION	numeric(6)
INCRP_TYPE	varchar(50)
BOROUGH	varchar(50)
REG_NATIVE_CORP	varchar(50)
SCHOOL_DIST_REAA	varchar(50)
NUM_SCHOOLS_COMMUN	numeric(4)
NUM_STUDENTS_COMMUN	numeric(5)
HEAD_START	varchar(255)
REG_DEV_ORG_ARDOR	varchar(50)
REG_HOUSING_AUTH	varchar(50)
DCED_REG_OFFICE	varchar(10)
HOUSE_ELEC_DISTRICT	varchar(70)
SENATE_ELEC_DIST	varchar(30)
SALES_TAX	varchar(30)
PROPERTY_TAX	varchar(50)
SPECIAL_TAXES	varchar(100)
ALTERNATE_NAME	varchar(50)
RURAL	varchar(5)
CENSUS_AREA	varchar(30)
POP_1990	numeric(6)
MALE_POP	numeric(6)
FEMALE_POP	numeric(6)
NON_NATIVE_POP	numeric(6)
PCT_NATIVE_POP	numeric(7,4)
BLACK_POP	numeric(6)
OTHER_ETHNIC_POP	numeric(6)
HOUSING_UNITS	numeric(6)
OCCUPIED_HU	numeric(6)
VACANT_HU	numeric(6)
MEDIAN_RENT_PAID	numeric(6)
MEDIAN_FAM_HH_INCOME	numeric(6)
PCT_POVERTY	numeric(7,4)
PERSONS_AGE_16	numeric(6)
TOT_PERSONS_EMPLOYED	numeric(6)
PCT_UNEMPLOYMENT	numeric(7,4)
PIPED_WATER	varchar(5)
CENTRAL_WAT_PT	varchar(5)
WATER_TRUCK	varchar(5)
PCT_HH_PUB_SEWER	numeric(6,3)
PCT_HH_SEPTIC_SEWER	numeric(6,3)
PCT_HH_OTH_SEWER	numeric(6,3)
REFUSE_COLLECTOR	varchar(30)
LANDFILL_OPERATOR	varchar(30)
DEC_LNDFL_PERMIT	varchar(5)
POWER_SOURCE	varchar(50)
ELEC_CAPAC_KW	numeric(6)
PCE_SUBSIDY	varchar(5)
ELEC_RATE_KWH	numeric(6,3)
ALTERNATE_HEALTH_CARE	varchar(2000)
 idx_dced_data_1	

dced_data_2	
dced_data_id	int
COMM_BORO_NAME	varchar(30)
HEALTH_COMMENTS	varchar(2000)
CLINIC_STATUS	varchar(255)
YEAR_BUILT	varchar(10)
RUNNING_WATER	varchar(5)
FLUSH_TOILET	varchar(5)
CLINIC_CONTACT	varchar(255)
CLINIC_PHONE	varchar(30)
FIRE_RESCUE_FACIL	varchar(500)
IN_STATE_PHONE	varchar(255)
LONG_DIST_PHONE	varchar(255)
CABLE_PROVIDER	varchar(255)
TELECONF_SERVICE	varchar(255)
ACCOMODATIONS	varchar(1000)
COMMUNITY_HALL	varchar(255)
GYM_OR_POOL	varchar(255)
VILLCORP	varchar(150)
VILLCOUN	varchar(150)
FULL_NAME	varchar(50)
POSITION	varchar(50)
STREET_ADDRESS	varchar(80)
CITY	varchar(50)
STATE	varchar(2)
ZIP_CODE	varchar(10)
PHONE	varchar(30)
FAX	varchar(30)
FULL_NAME_2ND	varchar(50)
MUNICIPAL_NAME	varchar(50)
PLAN_ZONE_TITLE	varchar(40)
MUNICIPAL_FACIL_UTIL	varchar(500)
E_MAIL	varchar(100)
INTERNET_URL	varchar(100)
AUDIT_CFS	varchar(6)
REV_PER_CAPITA	numeric(5)
HEALTH_CLINIC_HOSP	numeric(8)
EXP_PER_CAPITA	numeric(5)
 idx_dced_data_2	

Updating External Data Resources State DPH Vital Statistics

The DPH data loader (dsp_upd_dphdata.cfm) loads data from two tab-delimited text files into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

11. Update the corresponding spreadsheet (statedphfiles.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save it there.
12. After re-saving the spreadsheet, do a Save As tab-delimited text for each tab, and save them as statedphfile1.txt and statedphfile2.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **State DPH Vital Statistics**. It will delete all rows from the target (APCD) tables, then repopulate those tables with data from the tab-delimited text files.

The tables populated by this process is displayed below:

dph_file_1	
cen	char(3)
census_area	varchar(40)
place	char(5)
name	varchar(40)
per_cap_income	numeric(6)
census_population	numeric(6)
youth	numeric(6)
age_18_64	numeric(6)
age_65_plus	numeric(6)
dependency_ratio	decimal(6,1)
predicted_tr	numeric(6)
actual_tr	numeric(6)
tr_ratio	decimal(6,2)
average_population	numeric(6)

dph_file_2	
<u>census_area</u>	<u>varchar(40)</u>
fertility_rate	decimal(6,1)
percent_teen_births_to_total	decimal(6,1)
age_adjusted_mortality_rate	decimal(6,1)
suicide_deathrate	decimal(6,1)
unintentionalinjury_death_rate	decimal(6,1)
homicide_rate	decimal(6,1)
heart_disease_deathrate	decimal(6,1)
cancer_deathrate	decimal(6,1)
post_neonatal_death_rate	decimal(6,1)
sum_of_rate_ratios	decimal(6,1)

Updating External Data Resources State Emergency Medical Services

The EMS data loader (dsp_upd_emsdata.cfm) loads data from a tab-delimited text file into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

13. Update the corresponding spreadsheet (ems_data.xls), found in the ruralhealthcare\application\data\spreadsheet directory on the web server and re-save it there.
14. After re-saving the spreadsheet, do a Save As tab-delimited, and save them as ems_data.txt, in the ruralhealthcare\application\data directory on the web server.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **State Emergency Medical Services**. It will delete all rows from the target (APCD) table, then repopulate that table with data from the tab-delimited text file.

Note: This process only updates the ems_data table and not the corresponding legend tables (grayed out below).

The table populated by this process is displayed below:

<table><tr><th colspan="2">ems_data</th></tr><tr><td>on_ems_list</td><td>char(1)</td></tr><tr><td>community_name</td><td>varchar(40)</td></tr><tr><td>ems_level</td><td>varchar(10)</td></tr><tr><td>ems_region</td><td>char(2)</td></tr><tr><td>population</td><td>integer</td></tr><tr><td>access</td><td>varchar(20)</td></tr><tr><td>seasonal_impacts</td><td>varchar(20)</td></tr><tr><td>providers</td><td>varchar(20)</td></tr></table>	ems_data		on_ems_list	char(1)	community_name	varchar(40)	ems_level	varchar(10)	ems_region	char(2)	population	integer	access	varchar(20)	seasonal_impacts	varchar(20)	providers	varchar(20)	<table><tr><th colspan="2">ems_data_access_xref</th></tr><tr><td><u>community_name</u></td><td>varchar(40)</td></tr><tr><td><u>apc_code</u></td><td>varchar(2)</td></tr></table>	ems_data_access_xref		<u>community_name</u>	varchar(40)	<u>apc_code</u>	varchar(2)	<table><tr><th colspan="2">ems_access</th></tr><tr><td>apc_code</td><td>varchar(2)</td></tr><tr><td>access</td><td>varchar(15)</td></tr><tr><td>definition</td><td>varchar(100)</td></tr></table>	ems_access		apc_code	varchar(2)	access	varchar(15)	definition	varchar(100)
ems_data																																		
on_ems_list	char(1)																																	
community_name	varchar(40)																																	
ems_level	varchar(10)																																	
ems_region	char(2)																																	
population	integer																																	
access	varchar(20)																																	
seasonal_impacts	varchar(20)																																	
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ems_data_access_xref																																		
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definition	varchar(100)																																	
<table><tr><th colspan="2">ems_data_provider_xref</th></tr><tr><td><u>community_name</u></td><td>varchar(40)</td></tr><tr><td><u>provider_code</u></td><td>varchar(3)</td></tr></table>	ems_data_provider_xref		<u>community_name</u>	varchar(40)	<u>provider_code</u>	varchar(3)	<table><tr><th colspan="2">ems_data_impacts_xref</th></tr><tr><td><u>community_name</u></td><td>varchar(40)</td></tr><tr><td><u>apc_code</u></td><td>char(1)</td></tr></table>	ems_data_impacts_xref		<u>community_name</u>	varchar(40)	<u>apc_code</u>	char(1)	<table><tr><th colspan="2">ems_seasonal_impacts</th></tr><tr><td>apc_code</td><td>char(1)</td></tr><tr><td>seasonal_impact</td><td>varchar(20)</td></tr><tr><td>definition</td><td>varchar(100)</td></tr></table>	ems_seasonal_impacts		apc_code	char(1)	seasonal_impact	varchar(20)	definition	varchar(100)												
ems_data_provider_xref																																		
<u>community_name</u>	varchar(40)																																	
<u>provider_code</u>	varchar(3)																																	
ems_data_impacts_xref																																		
<u>community_name</u>	varchar(40)																																	
<u>apc_code</u>	char(1)																																	
ems_seasonal_impacts																																		
apc_code	char(1)																																	
seasonal_impact	varchar(20)																																	
definition	varchar(100)																																	
<table><tr><th colspan="2">ems_provider</th></tr><tr><td>provider_code</td><td>varchar(3)</td></tr><tr><td>definition</td><td>varchar(100)</td></tr></table>	ems_provider		provider_code	varchar(3)	definition	varchar(100)	<table><tr><th colspan="2">ems_region</th></tr><tr><td>ems_region</td><td>char(2)</td></tr><tr><td>definition</td><td>varchar(100)</td></tr></table>	ems_region		ems_region	char(2)	definition	varchar(100)	<table><tr><th colspan="2">ems_level</th></tr><tr><td>ems_level</td><td>char(1)</td></tr><tr><td>definition</td><td>varchar(100)</td></tr><tr><td>population</td><td>varchar(100)</td></tr><tr><td>ems</td><td>varchar(100)</td></tr><tr><td>general_access</td><td>varchar(100)</td></tr></table>	ems_level		ems_level	char(1)	definition	varchar(100)	population	varchar(100)	ems	varchar(100)	general_access	varchar(100)								
ems_provider																																		
provider_code	varchar(3)																																	
definition	varchar(100)																																	
ems_region																																		
ems_region	char(2)																																	
definition	varchar(100)																																	
ems_level																																		
ems_level	char(1)																																	
definition	varchar(100)																																	
population	varchar(100)																																	
ems	varchar(100)																																	
general_access	varchar(100)																																	

Updating External Data Resources IHS Facilities Database

The IHS data loader (dsp_upd_ihsdata.cfm) loads a subset of the data from the IHS "facil" database into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

15. Must be able to connect to the IHS HQEDB server from the APC server. The connection parameters are as follows:
 1. IP address = 161.223.220.78
 2. port = 2000
16. Must have linked the IHS server to the APCD server (via sp_addlinkedserver) as ihs_hq
17. Must have a local (APCD database) login established as follows (this login will be used to connect to the APCD database *and* the IHS database):
 1. user name: pponcho
 2. password: pponcho

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as ***IHS Facilities Database***.. It will delete all rows from the target (APCD) tables, then repopulate those tables with live data from the IHS database.

The tables populated by this process are displayed below:

b_addr	
address_id	int
area	char(2)
prop_type	char(1)
inst_name	varchar(30)
city_town	varchar(40)
state	char(2)
rec_status	smallint

b_bls_funds_mgr	
fm_id	int
area	char(2)
funds_mgr_name	varchar(75)

b_bls	
bls_id	int
address_id2	int
rp_det_desc	varchar(40)
gsf	float(53)
cntrct_arngmt	char(11)
m_i_funds_mgr	int
equip_funds_mgr	int
age	smallint
m_i_elig	char(1)
equip_elig	char(1)
ar	char(2)
su	char(2)
fa	char(2)
opv	float(53)
equip_alloc	float(53)
chaps	float(53)

b_feds	
feds_id	int
defic_cd	smallint
budget_est	money
rec_status	smallint
defic_code_id	int

b_feds_bls	
feds_id	int
bls_id	int


Updating External Data Resources **State PHN Community Survey Cards**




The PHN data loader (dsp_upd_phndata.cfm) loads a subset of the data from the PHN database, "Almost Final 1999 Community Survey Cards.mdb", into the APCD (Alaska Primary Care database). The following are prerequisites for running the template:

18. Place a copy of the PHN database in the ruralhealthcare\application\data directory on the web server.
19. Create a Cold Fusion ODBC datasource for the database and name it anthc_rhc_phn.

Once these conditions are met, the template can be successfully run from the Maintain External Data Resources task list, as **State PHN Community Survey Cards**. It will delete all rows from the target (APCD) tables, then repopulate those tables with data from the PHN database.

The tables populated by this process are displayed below:

phn_data	
<u>numCommunityID</u>	numeric
txtCommunity	varchar(30)
txtHealthCenter	varchar(30)
txtRegion	varchar(30)
txtPHN	varchar(30)
numSurveyYear	smallint
datSurveyDate	datetime
memHazardousWaste	varchar(2000)
txtClinicTypeLocation	varchar(30)
txtPHNTripsPerYear	varchar(50)
txtNearestHospital	varchar(50)
txtDistanceToHospital	varchar(50)
txtWaterSupply	varchar(50)
bolNoClinic	char(1)
bolNoPrivateExam	char(1)
bolNoExamTable	char(1)
bolNoSecureStorage	char(1)
bolNoClinicPhone	char(1)
bolNoReliableElectric	char(1)
bolLimitedWaterSupply	char(1)
bolNoHeat	char(1)
bolNoFlushToilet	char(1)
bolLimitedBldgSecurity	char(1)
bolNoReliableComm	char(1)
bolNoRPMSAccess	char(1)
bolNoPC	char(1)
bolOtherLimitations	char(1)
bolAmbulanceService	char(1)
bolCommunityClinicMD	char(1)
bolCommunityClinicPA	char(1)
bolCommunityPrivateHospital	char(1)
bolPrivatePhysician	char(1)
bolStateHealthCenter	char(1)
bolFedMilVAHealthCtr	char(1)
bolInstitutionResidentialCare	char(1)
bolTribalClinicCHA	char(1)
bolTribalClinicMD	char(1)
bolTribalClinicPAPN	char(1)
bolTribalHealthCenter	char(1)
bolTribalHospital	char(1)
bolHomeHealthCare	char(1)
bolExtendedCareNursing	char(1)
bolSeniorCitizensCenter	char(1)
bolPreMaternalHome	char(1)
bolMidwife	char(1)
bolWomensShelter	char(1)
bolMentalHealthClinic	char(1)
bolMentalHealthServices	char(1)
bolSupportGroups	char(1)
bolSubstanceAbuseServices	char(1)
bolVeterinarian	char(1)
 idx_txtCommunity	

phn_contact_data	
<u>contact_id</u>	numeric
numCommunityID	numeric
txtCommunity	varchar(30)
txtContactType	varchar(50)
txtResourceName	varchar(50)
txtResidentCommunity	varchar(50)
txtLocalPhone	varchar(15)
txtTelephone	varchar(50)
txtFax	varchar(50)
txtEMail	varchar(50)
memComment	varchar(2000)
bolActive	char(1)
 idx_txtCommunity	
 idx_numCommunityID	
 idx_txtContactType	

Updating External Data Resources Regional Health Organization

The regional health organization data loader (dsp_upd_reghealthorg_fromihs.cfm) loads data from IHS tables, in the APCD (Alaska Primary Care database) . The following are prerequisite for running the template:

20. Update the IHS data from the Maintain External Data Resources task list, as ***IHS Facilities Database***.

Once this condition is met, the template can be successfully run from the Maintain External Data Resources task list, as ***Regional Health Organization***. It will delete all rows from the target table, then repopulate that table with data from the IHS APCD tables.

Caution: If the regional health organization has been manually updated (though SQL), these changes will be overwritten by the data loader!

The table populated by this process is displayed below:

regional_health_org	
<u>community_id</u>	<u>numeric</u>
community_name	varchar(40)
organization_name	varchar(45)
source	numeric
comments	varchar(255)
idx_community_name	
idx_organization	

APPENDIX C.1

APCD ERD

ENTITY RELATIONSHIP DIAGRAM (ERD)

Refer to the enclosed large manilla folder that contains the ERD for the following:

- APCDS Main Data Model
- Views for Queries from the APCDS
- Ad Hoc Query Tool (QueryMill™) Tables from the APCDS

APPENDIX C.2

APCD DATA DICTIONARY

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data	census_area	varchar(40)	Census area		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	cost_of_additional_space	decimal(12,2)	Cost of additional space needed		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	cost_to_repair	decimal(12,2)	Cost to repair existing space		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	drs	decimal(6,2)	Dependency Ration Score (DRS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	ems_level	varchar(10)	EMS level		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	ess	decimal(6,2)	(ESS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	existing_space	decimal(10,2)	Existing space (from FNAQ, IHS, or 1994 Clinic Survey)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	fds	decimal(6,2)	Facility Deficiency Score (FDS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	g1_1a	char(1)	FNAQ Question G1.1	G1.1	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	hss	decimal(6,2)	Health Status Score (HSS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	iss	int	Isolation Score (IS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	population	numeric(6)	Current population from DCED		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	sps	int	Seasonal Population Score (SPS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	submitted_fnaq	varchar(1)	Whether an FNAQ was submitted		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	total_score	decimal(6,2)	Total prioritization score		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	trs	int	Trauma Registry Score (TRS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data	unmet_need	decimal(12,2)	Unmet Need amount		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	adr	decimal(6,2)	Average Dependency Ration (ADR)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	census_area	varchar(40)	Census area		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	dependency_ratio	decimal(6,1)	Dependency Ratio (DR)		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data_drs	dri	decimal(6,2)	Dependency Ratio Index (DRI)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	drs	decimal(6,2)	Dependency Ratio Score (DRS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	drsf	decimal(8,4)	Dependency Ratio Scaling Factor(DRSF)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_drs	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	apci	decimal(10,2)	Average Per Capita Income (APCI)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	census_area	varchar(40)	Census area		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	census_population	numeric(6)	Population determined by census		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	esf	decimal(8,4)	Economic Scaling Factor (ESF)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	ess	decimal(6,2)	Economic Status Score (ESS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	pci_ratio	decimal(6,2)	Ratio of per captia income to statewide average (APCI)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	per_cap_income	numeric(6)	Per capita income		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_ess	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	af	decimal(4,2)	Age Adjustment Factor (AF)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	age	int	Age of facility (from FNAQ, IHS, or 1994 Clinic Survey)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	b_bls_age	int	Age of facility from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	b_bls_gsf	float(53)	GSF from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	cf	decimal(6,2)	Conditon Factor (CF)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	clinic_age	float(53)	Age of facility from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	clinic_gsf	float(53)	GSF fro 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	e	decimal(10,2)	Existing GSF (from FNAQ, IHS, 1994 Clinic Survey, or Space Guideline (G)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	e_actual	decimal(10,2)	Actual existing GSF (from FNAQ, IHS, or 1994 Clinic Survey)		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data_fds	ems_level	varchar(10)	Emergency medical services level		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f1_5a	decimal(38,2)	GSF from FNAQ Question F1.5	F1.5	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_1	varchar(40)	Structural condition, from FNAQ Question F3.1	F3.1	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_2	varchar(40)	Mechanical condition, from FNAQ Question F3.2	F3.2	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_3	varchar(40)	Electrical condition, from FNAQ Question F3.3	F3.3	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_4	varchar(40)	Energy Management condition, from FNAQ Question F3.4	F3.4	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_5	varchar(40)	Handicap Access condition, from FNAQ Question F3.5	F3.5	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_6	varchar(40)	Site / Environmental condition, from FNAQ Question F3.6	F3.6	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_7	varchar(40)	Fire / Life Safety condition, from FNAQ Question F3.7	F3.7	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_8	varchar(40)	Floor Plan condition, from FNAQ Question F3.8	F3.8	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	f3_9	varchar(40)	Overall condition, from FNAQ Question F3.9	F3.9	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	fds	decimal(6,2)	Facility Deficiency Score (FDS), set to zero, if negative		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	fds_prime	decimal(6,2)	Facility Deficiency Score (FDS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	g	int	Space Guideline (G), from ARPCFNA Interim Report, Table 6		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	g1_1a	char(1)	FNAQ Question G1.1	G1.1	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	population	numeric(6)	Current population from DCED		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds	year_built	varchar(10)	Year facility was built, from DCED		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	age	float(53)	Age of facility, from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	clinicname	nchar(50)	Name of facility, from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	clinicnumber	int	Number of facility, from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	community_name	varchar(40)	Community name, from APCD		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	communityname	nchar(50)	Community name, from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	ignore_facility	varchar(1)	Ignore facility in calculating FDS (Y/N/A for average computed Condition Factor)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_clinic	squarefeet	float(53)	GSF from 1994 Clinic Survey		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	community_name	varchar(40)	Community name, from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f1_5a	decimal(10,2)	GSF from 1994 Clinic Survey	F1.5	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_1	char(1)	Structural condition, from FNAQ Question F3.1	F3.1	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_2	char(1)	Mechanical condition, from FNAQ Question F3.2	F3.2	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_3	char(1)	Electrical condition, from FNAQ Question F3.3	F3.3	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_4	char(1)	Energy Management condition, from FNAQ Question F3.4	F3.4	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_5	char(1)	Handicap Access condition, from FNAQ Question F3.5	F3.5	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_6	char(1)	Site / Environmental condition, from FNAQ Question F3.6	F3.6	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_7	char(1)	Fire / Life Safety condition, from FNAQ Question F3.7	F3.7	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_8	char(1)	Floor Plan condition, from FNAQ Question F3.8	F3.8	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	f3_9	char(1)	Overall condition, from FNAQ Question F3.9	F3.9	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	facility_name	varchar(100)	Facility name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	ignore_facility	varchar(1)	Ignore facility in calculating FDS (Y/N/A for average computed Condition Factor)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	org_fac_id	numeric(18)	Organization facility name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	org_name	varchar(200)	Organization name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	quest_org_id	numeric(18)	Questionnaire organization ID from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_fnaq	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_ihs	age	smallint	Age from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_ra_w_ihs	bls_id	int	BLS ID from IHS		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	city_town	varchar(40)	City/town name from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	gsf	float(53)	GSF from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	ignore_facility	varchar(1)	Ignore facility in calculating FDS (Y/N/A for average computed Condition Factor)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	inst_name	varchar(30)	Facility name from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_fds_raw_ihs	rp_det_desc	varchar(40)	Description from IHS		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	age_adjusted_mortality_rate	decimal(6,1)	Age adjusted mortality rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	cancer_deathrate	decimal(6,1)	Cancer death rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	census_area	varchar(40)	Census area		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	community_name	varchar(40)	Community name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	fertility_rate	decimal(6,1)	Fertility rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	heart_disease_deathrate	decimal(6,1)	Heart disease rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	homicide_rate	decimal(6,1)	Homicide rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	hss	decimal(6,2)	Health Status Score (HSS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	hssf	decimal(8,4)	Health Status Scaling Factor (HSSF)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	percent_teen_births_to_total	decimal(6,1)	Teen births as a percentage of total births		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	post_neonatal_death_rate	decimal(6,1)	Post-neonatal death rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	suicide_deathrate	decimal(6,1)	Suicide death rate		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	sum_of_rate_ratios	decimal(6,1)	Sum of rate ratios		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_hss	unintentionalinjury_death_rate	decimal(6,1)	Unintentional injury death rate		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
Prioritization Algorithm	Archive	pri_data_iss	airmiles_to_hospital	decimal(8,3)	Airmiles to nearest hospital, from community_misc table		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss	ems_level	varchar(10)	EMS Level		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss	iss	int	Isolation Score (IS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss	primary_mode_of_travel	varchar(1)	Primary mode of travel to next level of care (from FNAQ or community_misc)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_fnaq	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_fnaq	org_name	varchar(200)	Organization name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_fnaq	p2_2a	char(1)	Primary mode of travel to next level of care from FNAQ Question P2.2	P2.2	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_fnaq	quest_org_id	numeric(18)	Questionnaire organization ID from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_fnaq	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_tmode	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_tmode	primary_travel_mode	char(1)	Primary travel mode from community_misc		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_iss_raw_tmode	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps	sps	int	Seasonal Population Score (SPS)		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps_raw	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps_raw	org_name	varchar(200)	Orgaization name from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps_raw	p6_5a	char(1)	Seasonal or itinerant population (Y/N)	P6.5	N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps_raw	quest_org_id	numeric(18)	Questionnaire organization ID from FNAQ		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_sps_raw	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_trs	census_area	varchar(40)	Census area		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE PRIORITIZATION ALGORITHM

<i>Source</i>	<i>Table Type</i>	<i>Table/View Name</i>	<i>Column Name (Field Name)</i>	<i>Data Type</i>	<i>Definition</i>	<i>FNAQ Question</i>	<i>Last Updated</i>	<i>Update Frequency</i>	<i>Next Update</i>	<i>Original Source of Data</i>	<i>APCD #</i>	<i>Age of APCD Data</i>
Prioritization Algorithm	Archive	pri_data_trs	community_name	varchar(40)	Community name		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_trs	questionnaire_id	varchar(20)	Unique questionnaire ID		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_trs	tr_ratio	decimal(6,2)	Trauma ratio		N/A	N/A	N/A	N/A	N/A	N/A
Prioritization Algorithm	Archive	pri_data_trs	trs	int	Trauma Registry Score (TRS)		N/A	N/A	N/A	N/A	N/A	N/A

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	certification	addl_participants	varchar(500)	Additional persons that participated in the completion of this survey form.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	cert_date	datetime	Date survey form was signed by certifier.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	cert_name	varchar(100)	Name of main person who completed the survey form, and who certifies that all information contained within was accurate to the best of their knowledge.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	cert_phone	varchar(100)	Phone number of certifier.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	cert_title	varchar(100)	Title of certifier.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	certification_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	is_submitted	char(1)	Whether or not data has been submitted for this survey form.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	last_submitted	datetime	Most recent date that data was submitted for this survey form.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	last_update	datetime	Most recent date that data was updated for this survey form.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	parent_id	char(10)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	certification	parent_table	varchar(40)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	comments/ v_comment_commu nity	comment_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	comments/ v_comment_commu nity	comment_text	varchar(2000)	Extra Comments	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	comments/ v_comment_commu nity	parent_column	varchar(40)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	comments/ v_comment_commu nity	parent_id	integer	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	comments/ v_comment_commu nity	parent_table	varchar(40)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	community	adjacent_community_i d	numeric	Unique identification number of community that is adjacent to queried community.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	community	community_id	numeric	Unique identification number of the community.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	community	community_name	varchar(40)	Name of the community.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	community	has_primary_care_facil ity	char(1)	Whether or not the community has a primary care facility. (A=No, but there's one in an adjacent community. B=No, and it's needed. C=Yes, there is one. D=Yes, there's more than one building. E=Yes, there's more than one organization).	G1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	community	other_adjacent_comm unity	varchar(100)	Name of community that is adjacent to this community.	G1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility	community_id	numeric	Unique ID # of the community.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility	facility_id	numeric	Unique ID # of the facility.	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility	facility_name	varchar(100)	Name of the facility.	G1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility	services_provided	varchar(2000)	Services provided by the facility.	G1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	commercially_insured	char(1)	Whether or not the facility is insured against loss by fire or other perils.	F1.10	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	construction	char(2)	How the facility is constructed (WS=Wood, single story. WM=Wood, multi-story. SS=Steel, single story. SM=Steel, multi story. O=Other)	F1.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	coord_with_main_refer ral	char(1)	If the facility is included in its organization's master plan, is it coordinated with the main referral facility?	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	coord_with_other	char(1)	If the facility is included in its organization's master plan, is it coordinated with something other than the main referral facility, the Regional Native Health Corp. or the Parent Organization?	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	coord_with_other_list	varchar(200)	Description of what the facility is coordinated with (if applicable).	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	coord_with_parent	char(1)	If the facility is included in its organization's master plan, is it coordinated with the parent organization?	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	coord_with_rhc	char(1)	If the facility is included in its organization's master plan, is it coordinated with the Regional Native Health Corp.	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	direct_services_gsf	numeric	How much space the direct services & support section of the health program uses (in GSF).	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	floorplan_available	char(1)	Whether or not a detailed floorplan is available for space occupied by health program.	F1.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	has_automatic_sprinkl er	char(1)	Whether or not facility has automatic sprinkler system.	F1.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	has_fire_alarm	char(1)	Whether or not facility has central fire alarm system.	F1.8	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_dat a	has_standby_generato r	char(1)	Whether or not facility has a standby generator.	F1.9	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	ihs_db_buildingnbr	varchar(100)	The building number of the facility, if it is in the IHS database.	F1.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	ihs_db_facilitynbr	varchar(100)	The facility number from the IHS database.	F1.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	in_ihs_database	char(1)	Whether or not the facility is in the IHS Facilities database.	F1.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	in_master_plan	char(1)	Whether or not the facility is in its organization's master plan.	F1.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	other_gsf	numeric	How much space is taken up by miscellaneous health program uses (in GSF).	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	other_space_list	varchar(200)	List of miscellaneous health program uses taking up space in the facility.	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	share_facility_gsf	numeric	How much space is taken up by non-medical uses in the facility (in GSF).	F1.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	shared_facility	char(1)	Whether or not the facility is shared with non-medical tenants.	F1.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	space_not_known	char(1)	Whether or not amount of space used by health program is NOT known.	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	staff_quarters_gsf	numeric	Amount of space used by staff quarters in the facility (in GSF).	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	use_dhss_db_value	char(1)	Whether or not DHSS has the space usage values for this facility.	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	use_ihs_db_value	char(1)	Whether or not IHS has the space usage values for this facility.	F1.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_funding_source/ v_facility_space_funding_source	commitment_amount	numeric	Amount of money offered by funding source.	F3.13	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_funding_source/ v_facility_space_funding_source	facility_funding_source_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_funding_source/ v_facility_space_funding_source	parent_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_funding_source/ v_facility_space_funding_source	parent_table	varchar(100)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_funding_source/ v_facility_space_funding_source	source_name	varchar(40)	Name of funding source offering money to correct deficiencies.	F3.13	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_medical_equip_def/ v_facility_medical_equip_def	cost_estimate	numeric	The estimated cost of correcting deficiencies in medical equipment (if available).	F5.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	cost_estimate_available	char(1)	Whether or not a cost estimate for correcting deficiencies in medical equipment is available.	F5.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	funding_estimate	numeric	The estimated funding still needed to correct deficiencies in medical equipment.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	ihs_funding	char(1)	Whether or not funding for correcting deficiencies in medical equipment is available from IHS.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	need_new equip	char(1)	Whether or not new or replacement equipment is needed by existing medical facility.	F5.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	other_funding_list	varchar(200)	List of miscellaneous funding sources for correcting deficiencies in medical equipment.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	parent_org_funding	char(1)	Whether or not funding for correcting deficiencies in medical equipment is available from facility's parent organization.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	rhc equip_funding	char(1)	Whether or not funding for correcting deficiencies in medical equipment is available from Regional Native Health Corporation Medical Equipment Fund.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_basic_data/ v_facility_basic_data	state_funding	char(1)	Whether or not funding for correcting deficiencies in medical equipment is available from the State.	F5.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	annual_funding_shortfall	char(1)	Annual funding shortfall, if any. (1=\$1-\$10,000. 2=\$10,001-\$25,000. 3=\$25,001-\$50,000. 4=More than \$50,000)	F2.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	facility_owner	char(1)	Who owns the facility. (C=City, S=State, U=U.S. Public Health Service, I=IRA, R=Regional Health Corp., V=Village Corp., P=Private Individual, O=Other).	F2.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	funds_cover_costs	char(1)	Whether or not there are adequate funds to cover the costs of ownership, repairs, utilities, and maintenance for a self-supporting facility.	F2.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	lease_funds_cover_costs	char(1)	If lease money operates the clinic, is it sufficient to cover the cost of ownership, repairs, utilities, and maintenance.	F2.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	lease_type	char(1)	Type of lease on facility (if applicable). F=Full service, T=Triple Net, O=Other.	F2.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	leased_facility	char(1)	Whether or not facility is leased from another party.	F2.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	other_lease_type_list	varchar(200)	Description of lease on facility, if not Full service or Triple Net	F2.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_ownership_lease_data/ v_facility_ownership_lease_data	other_owner_list	varchar(200)	If owner type was listed as other in the "facility_owner" data field, this is a description of who owns the facility.	F2.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	community_org_opinion	char(1)	What the community and organization think should be done with the facility (C=Correct deficiencies, R=Replace with new facility, D=Don't know, or no consensus).	F3.10	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	cost_estimate	numeric	Cost estimate to correct physical deficiencies in facility (if applicable, and available).	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	cost_estimate_available	char(1)	Whether or not a cost estimate for correcting physical deficiencies in the facility is available.	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	doc_system	char(1)	Whether or not there is a system for documenting physical deficiencies in the facility.	F3.11	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	doc_system_description	varchar(200)	Description of system for documenting physical deficiencies in the facility (if applicable).	F3.11	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	electrical_condition	char(1)	Condition of facility's electrical system (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	energy_management_condition	char(1)	Condition of facility's energy management system (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	estimate_date	datetime	Date of cost estimate for correcting physical deficiencies (if applicable, and available).	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	fire_life_safety_condition	char(1)	Condition of facility's fire/life system (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	floor_plan_condition	char(1)	Condition of facility's floor plan (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.8	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	funding_commitment	char(1)	Whether or not a funding commitment has been received to correct physical deficiencies in the facility.	F3.13	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	handicap_access_con dition	char(1)	Condition of facility's handicap access (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	includes_contingency	char(1)	Whether or not cost estimate for correcting physical deficiencies includes a construction contingency.	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	includes_design_fees	char(1)	Whether or not cost estimate for correcting physical deficiencies includes design and project management fees.	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	mechanical_condition	char(1)	Condition of facility's mechanical system (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	overall_condition	char(1)	Overall condition of facility (G=Good, F=Fair, P=Poor).	F3.9	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	prepared_by_engineer	char(1)	Whether or not cost estimate for correcting physical deficiencies was prepared by an engineer or contractor.	F3.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	site_environmental_co ndition	char(1)	Condition of facility's site/environment (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_physical_def / v_facility_physical_def	structural_condition	char(1)	Condition of facility's structure (G=Good, F=Fair, P=Poor, ?=Unknown).	F3.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	addition_gsf	numeric	Space needed for addition to facility, if applicable (in GSF).	F4.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	addition_needed	char(1)	Whether or not an addition to facility is needed.	F4.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	business_plan_exists	char(1)	Whether or not a business plan that details how additional services and space will be financially supported exists.	F4.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	close_to_infrastructure	char(1)	How close the site for the new or additional facility is to existing infrastructure (G=No major off site work required, F=Some off site work required to connect utilities, or location is inconvenient, P=Significant off site work required to connect utilities or location is remote).	F4.10	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	control_issues_resolve d	char(1)	Whether or not all control issues have been resolved regarding the site for a new or additional facility.	F4.9	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	cost_estimate	numeric	Cost estimate to correct space deficiencies in facility (if applicable and available).	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	cost_estimate_availabl e	char(1)	Whether or not a cost estimate for correcting space deficiencies in facility is available.	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	design_completed	char(1)	Whether or not a design for correcting space deficiencies in facility is completed (Y=Yes, N=No, U=Under Development).	F4.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	estimate_date	datetime	Date of cost estimate for correcting space deficiencies (if applicable and available).	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	estimated_budget	char(1)	Total estimated budget needed for new facility, if there is a business plan that details how additional services and space would be financially supported. (1=\$1-50,000. 2=\$50,001-\$100,000. 3=\$100,001-\$200,000. 4=\$200,001-\$300,000. 5=\$300,001-\$400,000. 6=\$400,001-\$500,000. 7=More than \$500,000. 8=Unknown).	F4.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	federal_matching_avail able	char(1)	Matching funds from the Federal government are available for correcting space deficiencies in the facility.	F4.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	funding_commitment	char(1)	Whether or not a funding commitment has been received to correct space deficiencies (Y=Yes, N=No, P=Partial).	F4.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	includes_contingency	char(1)	Whether or not the cost estimate for correcting space deficiencies includes a construction contingency.	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	includes_design_fees	char(1)	Whether or not the cost estimate for correcting space deficiencies includes design and project management fees.	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	includes_equipment_c ost	char(1)	Whether or not the cost estimate for correcting space deficiencies includes the cost of new medical equipment.	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	inkind_contributions	char(1)	Whether or not the community has made a commitment to provide in-kind contributions for correcting space deficiencies.	F4.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	new_clinic_approved	char(1)	Whether or not a new clinic or major renovation project is approved and awaiting funding by a government entity or other outside source.	F4.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	new_clinic_status	char(1)	If applicable, status of new clinic of major renovation awaiting funding from government (1=Funding anticipated within 2 years, 2=Funding anticipated between 2 and 5 years, 3=Funding year uncertain).	F4.12	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	new_facility_gsf	numeric	Space needed for new facility, if applicable (in GSF).	F4.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	new_facility_needed	char(1)	Whether or not a new facility is needed to correct space deficiencies.	F4.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_rel ated_def	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	other_funding_sources _avail	char(1)	Whether or not other funding sources would be more accessible if a new facility was constructed.	F4.11	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	other_funding_sources _list	varchar(250)	List of other sources that would be more accessible if a new facility was constructed.	F4.11	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	other_matching_sourc es	varchar(200)	List of other matching funds available for correcting space deficiencies.	F4.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	prepared_by_engineer	char(1)	Whether or not cost estimate was prepared by an engineer or contractor (if applicable).	F4.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	rmhc_matching_availab le	char(1)	Whether or not matching funds are available from a regional native health corporation for correcting space deficiencies.	F4.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	site_identified	char(1)	Whether or not a site has been identified for a new or additional facility (if needed).	F4.8	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	space_needed	char(1)	Whether or not more space is needed for an existing medical facility, or a facility is needed where none exists.	F4.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_space_relat ed_def/ v_facility_space_relat ed_def	state_matching_availa ble	char(1)	Whether or not matching funds are available from the state for correcting space deficiencies.	F4.6	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	average_annual_costs	numeric	Average annual cost of utilities and routine maintenance activities at the facility.	F6.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	building_fund	char(1)	Whether or not the owner of the facility has a building replacement and depreciation fund.	F6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	city_funding	char(1)	Whether or not city funds are used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	clinic_operating_fundin g	char(1)	Whether or not clinic operating funds are used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	electrical_usage	numeric	Electric usage at the facility in 1998 (in Kilowatt-hours).	F6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	fuel_oil_usage	numeric	Fuel oil usage at the facility in 1998 (in Gallons)	F6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	ihs_anthc_funding	char(1)	Whether or not IHS/ANTHC Maintenance and improvement funds are used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maint enance/ v_facility_utility_mai ntenance	ihs_lease_funding	char(1)	Whether or not IHS village built clinic lease funds are used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	lead_support_organization	varchar(45)	Lead organization providing support for facilities management (if applicable).	F6.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	natural_gas_usage	numeric	Natural gas usage at the facility in 1998 (in cubic feet).	F6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	other_energy_source_list	varchar(200)	List of miscellaneous energy sources used by the facility.	F6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	other_energy_usage	numeric	Amount of energy from miscellaneous energy sources used by the facility in 1998 (In Millions of BTUs).	F6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	other_funding_list	varchar(200)	List of other funding sources used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	private_funding	char(1)	Whether or not private funding is used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	rmhc_funding	char(1)	Whether or not Regional Native Health Corp. funding is used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	state_funding	char(1)	Whether or not State funding is used to pay for ownership, repair, utility, and maintenance costs at the facility.	F6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	facility_utility_maintenance/ v_facility_utility_maintenance	support_system	char(1)	Whether or not there is a support system for facilities management issues that can be accessed by facility staff.	F6.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization	community_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization	organization_name	varchar(45)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization_facility	facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization_facility	organization_facility_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	organization_facility	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	admin_organization	char(1)	Term that best describes organization that provides administration of the health program. (1=Private, for profit. 2=Private, not for profit. 3=City/Borough. 4=PL 93-638 Contract/Compact. 5=Other. 6=N/A)	P3.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	program_admin/ v_program_admin	current_deficits	char(1)	Current budget deficits for health program (A=\$0. B=\$1-\$50,000. C=\$50,001-\$100,000. D=\$100,001- \$150,000. E=\$150,001-\$200,000. F=\$200,001- \$250,000. G=\$250,001-\$300,000. H=\$300,001- \$350,000. I=\$350,001-\$400,000. J=\$400,001- \$450,000. K=\$450,001-\$500,000. L=More than \$500,000).	P3.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	current_operating_bud get	char(1)	Current operating budget for health program (A=\$0. B=\$1-\$50,000. C=\$50,001-\$100,000. D=\$100,001- \$150,000. E=\$150,001-\$200,000. F=\$200,001- \$250,000. G=\$250,001-\$300,000. H=\$300,001- \$350,000. I=\$350,001-\$400,000. J=\$400,001- \$450,000. K=\$450,001-\$500,000. L=More than \$500,000).	P3.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	has_governing_body	char(1)	Whether or not facility has a governing board/body.	P3.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	other_admin_organizat ion	varchar(200)	Description of organization that provides administration for health program (If not private, City/Borough, or PL 93-638).	P3.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_admin/ v_program_admin	projected_operating_b udget	char(1)	Projected operating budget if all needed services were provided (A=\$0. B=\$1-\$50,000. C=\$50,001-\$100,000. D=\$100,001-\$150,000. E=\$150,001-\$200,000. F=\$200,001-\$250,000. G=\$250,001-\$300,000. H=\$300,001-\$350,000. I=\$350,001-\$400,000. J=\$400,001-\$450,000. K=\$450,001-\$500,000. L=More than \$500,000).	P3.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	data_available	char(1)	Whether or not caseload data is available for health program (N=No, Y=Yes, A=N/A)	P6.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	dental_encounters	numeric	Number of dental encounters/visits reported in health program for 1998.	P6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	dental_encounters_un known	char(1)	Whether or not number of dental encounters/visits for health program was NOT known.	P6.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	emergency_encounter s	numeric	Number of emergency medical patients seen in facility for 1998	P6.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	emergency_encounter s_unknown	char(1)	Whether or not number of emergency medical patients was NOT known.	P6.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	has_seasonal_populati on	char(1)	Whether or not there is a significant seasonal population in community that requires health services.	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	high_risk_fishing	char(1)	Whether or not the seasonal fishing population is at high risk (that would require medical attention).	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caselo d	high_risk_logging	char(1)	Whether or not the seasonal logging population is at high risk (that would require medical attention).	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	high_risk_other	char(1)	Whether or not miscellaneous seasonal population is high risk (that would require medical attention).	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	high_risk_tourism	char(1)	Whether or not the seasonal tourism population is high risk (that would require medical attention).	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	language_barrier	char(1)	Whether or not seasonal population experiences a language barrier at medical facility.	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	other_high_risk_list	varchar(200)	List of miscellaneous seasonal populations.	P6.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	patient_encounters	numeric	Total number of patient encounters/visits reported by medical program in 1998.	P6.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_caseload/ v_program_caseload	patient_encounters_unknown	char(1)	Whether or not total number of patient encounters was NOT known.	P6.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	circumstances_explained	varchar(200)	Explanation of why some patients required extended stays in the medical facility.	P7.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	equipped_for_overnight	char(1)	Whether or not facility is equipped to accommodate patients overnight.	P7.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	extended_stays	char(1)	How often patients were treated for extended stays at facility in 1998. (1=1-5 times, 2=6-10 times, 3=11-20 times, 4=More than 20 times).	P7.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	has_extended_stays	char(1)	Whether or primary care facility ever treats patients for extended stays, including overnight.	P7.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	inadequate_transportation	char(1)	Whether or not some patients required extended stays at the facility because of inadequate transportation.	P7.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	other_circumstances	char(1)	Whether or not some patients required extended stays at the facility for reasons other than transportation, weather, or condition.	P7.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	patient_condition	char(1)	Whether or not some patients required extended stays at the facility because their condition required extended treatment/observation.	P7.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_extended_stays/ v_program_extended_stays	weather	char(1)	Whether or not some patients required extended stays at the facility because of the weather.	P7.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	funding_source_id	integer	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	other_list	varchar(200)	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	program_funding_source_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	using_now	char(1)	Whether or not the funding sources in P3.4 are being used now (Y/N)	P3.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_funding_source/ v_program_funding_source	would_use	char(1)	Whether or not the funding sources in P3.4 would be used if all needed services were provided (Y/N)	P3.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	itinerant_quarters_available	char(1)	Whether or not there are living quarters available for itinerant/contract staff. (1=No, 2=Yes-in clinic, 3=Yes-in community).	P8.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	permanent_quarters_available	char(1)	Whether or not there are living quarters available for permanent staff. (1=No, 2=Yes-in clinic, 3=Yes-in community).	P8.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	quarters_needed_for_healthcare	char(1)	Whether or not dedicated living quarters are needed because health care services are affected by lack thereof.	P8.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	quarters_needed_in_clinic	char(1)	Whether or not dedicated living quarters are needed in clinic.	P8.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	quarters_needed_in_community	char(1)	Whether or not dedicated living quarters are needed in community but not in the clinic.	P8.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_living_quarters/ v_program_living_quarters	quarters_not_needed	char(1)	Whether or not dedicated living quarters are NOT needed.	P8.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	currently_provided	char(1)	Whether or not this service is currently provided (Y=Yes, N=No, I=Itinerant)	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	inadequate equip	char(1)	Whether or not this service is not provided because of inadequate equipment.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	inadequate_funding	char(1)	Whether or not this service is not provided because of inadequate funding.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	inadequate_space	char(1)	Whether or not this service is not provided because of inadequate space.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	program_services/ v_program_services	inadequate_staff	char(1)	Whether or not this service is not provided because of inadequate available staff.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	not_needed	char(1)	Whether or not this service is not provided because it is not needed.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	not_wanted	char(1)	Whether or not this service is not provided because it is not wanted.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	other_reason	char(1)	Whether or not there is some other reason that this service is not provided.	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	other_service_type	varchar(200)	Description of miscellaneous service.	P1.16	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	program_services_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	service_type_id	integer	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_services/ v_program_services	should_be_provided	char(1)	Whether or not this service should be provided (if it is not already provided).	P1.1-P1.41	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	current_contract_positi ons	decimal(8,2)	Current number of filled itinerant or contract staff positions for this staff service.	P5.1-P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	filled_positions	decimal(8,2)	Number of filled, non-itinerant, staff positions for this staff service.	P5.1-P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	funded_positions	decimal(8,2)	Number of funded, non-itinerant, staff positions for this staff service.	P5.1-P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	needed_contract_positi ons	decimal(8,2)	Number of additional itinerant or contract staff positions needed for this staff service.	P5.1-P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	needed_positions	decimal(8,2)	Additional number of non-itinerant staff positions needed.	P5.1-P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	other_list	varchar(200)	Description of miscellaneous staff service.	P5.20	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	program_staffing_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_staffing/ v_program_staffing	staff_type_id	integer	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	not_done	char(1)	Whether or not this support service is NOT provided.	P4.1-P4.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	offsite	char(1)	Whether or not this support service is done offsite.	P4.1-P4.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	onsite_contract_staff	char(1)	Whether or not this support service is done by itinerant/contract staff.	P4.1-P4.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE FACILITY NEEDS ASSESSMENT QUESTIONNAIRE (FNAQ)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FNAQ	Questionnaire Data	program_support/ v_program_support	onsite_local_staff	char(1)	Whether or not this support service is done on-site by local staff.	P4.1-P4.7	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	program_support_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_support/ v_program_support	support_service_id	integer	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_telehealth/ v_program_telehealth	has_adequate_space	char(1)	Whether or not there is adequate space in the facility for the current, or planned telemedicine equipment. (1=No, 2=Yes, 3=Unknown).	P9.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_telehealth/ v_program_telehealth	has_advanced_system	char(1)	Whether or not facility has advanced telemedicine technology. (1=No, 2=Yes, 3=Under Development, 4=Unknown).	P9.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_telehealth/ v_program_telehealth	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	arrange_transport	char(1)	Whether or not transportation is arranged to transport patients to other communities for care.	P2.1	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	emergency_travel_time	char(1)	Average travel time to next level of care in emergencies. (1=Less than 1 hour, 2=1-2 hours, 3=2-6 hours, 4=More than 6 hours).	P2.4	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	organization_id	numeric	Internal database field	N/A	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	other_mode_list	varchar(200)	Description of primary mode of travel to next level of care, if not Motor Vehicle, Airplane, or Boat).	P2.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	primary_mode	char(1)	Primary mode of travel to next level of care (M=Motor Vehicle, A=Airplane, B=Boat, O=Other).	P2.2	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	routine_travel_time	char(1)	Average travel time to next level of care for routine referrals (1=Less than 1 hour, 2=1-2 hours, 3=2-6 hours, 4=More than 6 hours).	P2.3	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	travel_costs	numeric	Total travel costs for patient and accompanying staff to the next level of care in 1998.	P2.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000
FNAQ	Questionnaire Data	program_transportation/ v_program_transportation	travel_costs_known	char(1)	Whether or not travel to next level of care costs are known (\$=Known, D=Unknown).	P2.5	N/A	Unknown, as of October, 2000, if there will be an update.	Unknown	April, 2000 Questionnaire	N/A	April, 2000

DATA DICTIONARY FOR THE PUBLIC HEALTH NURSE SURVEY DATABASE

<i>Source</i>	<i>Table Type</i>	<i>Table/View Name</i>	<i>Column Name (Field Name)</i>	<i>Data Type</i>	<i>Definition</i>	<i>FNAQ Question</i>	<i>Last Updated</i>	<i>Update Frequency</i>	<i>Next Update</i>	<i>Original Source of Data</i>	<i>APCD #</i>	<i>Age of APCD Data</i>
PHN	External Data Resource	phn_contact_data/ v_phn_data	bolActive	char(1)	Contact active (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	contact_id	numeric(18)	Unique identifier for contact	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	memComment	varchar(2000)	Comments	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	numCommunityID	numeric(18)	Unique identifier for community	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtCommunity	varchar(30)	Community name	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtContactType	varchar(50)	Contact type	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtEMail	varchar(50)	Email address	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtFax	varchar(50)	Fax number	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtLocalPhone	varchar(15)	Local phone number	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtResidentCommunity	varchar(50)	Community of residence	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtResourceName	varchar(50)	Contact name	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_contact_data/ v_phn_data	txtTelephone	varchar(50)	Contact phone number	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolAmbulanceService	char(1)	Ambulance service? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolCommunityClinicMD	char(1)	Community clinic MD? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolCommunityClinicPA	char(1)	Community clinic PA? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolCommunityPrivateHospital	char(1)	Community private hospital? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000

DATA DICTIONARY FOR THE PUBLIC HEALTH NURSE SURVEY DATABASE

<i>Source</i>	<i>Table Type</i>	<i>Table/View Name</i>	<i>Column Name (Field Name)</i>	<i>Data Type</i>	<i>Definition</i>	<i>FNAQ Question</i>	<i>Last Updated</i>	<i>Update Frequency</i>	<i>Next Update</i>	<i>Original Source of Data</i>	<i>APCD #</i>	<i>Age of APCD Data</i>
PHN	External Data Resource	phn_data/ v_phn_data	bolExtendedCareNursing	char(1)	Extended care nursing? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolFedMilVAHealthCtr	char(1)	Federal, military, or VA health center? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolHomeHealthCare	char(1)	Home health care? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolInstitutionResidentialCare	char(1)	Institution residentail care? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolLimitedBldgSecurity	char(1)	Limited building security? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolLimitedWaterSupply	char(1)	Limited wate supply? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolMentalHealthClinic	char(1)	Mental health clinic? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolMentalHealthServices	char(1)	Mental health services? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolMidwife	char(1)	Midwife? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoClinic	char(1)	No clinic? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoClinicPhone	char(1)	No clinic phone? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoExamTable	char(1)	No exam table? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoFlushToilet	char(1)	No flush toilet? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoHeat	char(1)	No heat? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoPC	char(1)	No PC? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoPrivateExam	char(1)	No private exam? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000

DATA DICTIONARY FOR THE PUBLIC HEALTH NURSE SURVEY DATABASE

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
PHN	External Data Resource	phn_data/ v_phn_data	bolNoReliableComm	char(1)	Reliable communications? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoReliableElectric	char(1)	Reliable electric? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoRPMSAccess	char(1)	No RPMS access? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolNoSecureStorage	char(1)	Secure storage? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolOtherLimitations	char(1)	Other limitations? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolPreMaternalHome	char(1)	Pre-maternal home? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolPrivatePhysician	char(1)	Private physician? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolSeniorCitizensCenter	char(1)	Senior citizens center? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolStateHealthCenter	char(1)	State health center? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolSubstanceAbuseServices	char(1)	Substance abuse services? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolSupportGroups	char(1)	Support groups? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolTribalClinicCHA	char(1)	Tribal clinic CHA? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolTribalClinicMD	char(1)	Tribal clinic MD? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolTribalClinicPAPN	char(1)	Tribal clinic PA/PN? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolTribalHealthCenter	char(1)	Tribal health center? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolTribalHospital	char(1)	Tribal hospital? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000

DATA DICTIONARY FOR THE PUBLIC HEALTH NURSE SURVEY DATABASE

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
PHN	External Data Resource	phn_data/ v_phn_data	bolVeterinarian	char(1)	Veterinarian? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	bolWomensShelter	char(1)	Womens shelter? (Y/N)	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	datSurveyDate	datetime	Date of PHN survey	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	memHazardousWaste	varchar(2000)	Hazardous waste description	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	numCommunityID	numeric(18)	Unique identifier for community	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	numSurveyYear	smallint	Year of PHN survey	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtClinicTypeLocation	varchar(30)	Clinic type and location	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtCommunity	varchar(30)	Community name	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtDistanceToHospital	varchar(50)	Distance to nearest hospital	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtHealthCenter	varchar(30)	Health center	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtNearestHospital	varchar(50)	Nearest hospital	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtPHN	varchar(30)	PHN for community	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtPHNTripsPerYear	varchar(50)	PHN trips to community per year	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtRegion	varchar(30)	Region	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000
PHN	External Data Resource	phn_data/ v_phn_data	txtWaterSupply	varchar(50)	Water supply for clinic	N/A	1999	Annual	2000	PHN Survey Database	N/A	1999 & 2000

DATA DICTIONARY FOR THE DIVISION of COMMERCE and ECONOMIC DEVELOPMENT (DCED)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency ¹	Next Update ¹	Original Source of Data ¹	APCD #	Age of APCD Data
DCED	External Data Resource	dcged_data/v_dcged	ALTERNATE_HEALTH_CARE	varchar(2000)	Alternate health care facilities (if none in community), such as an ambulance, first responder service, emergency medical, volunteer fire or nearby clinic. Data includes phone contact.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	59	1999
DCED	External Data Resource	dcged_data/v_dcged	ALTERNATE_NAME	varchar(50)	Alternate name of community. May simply be an alternate spelling of the same name.	N/A		Ad hoc, irregular updates	NA	Multiple resources	12	NA
DCED	External Data Resource	dcged_data/v_dcged	BLACK_POP	numeric(6)	African-American population.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	65	1990
DCED	External Data Resource	dcged_data/v_dcged	BOROUGH	varchar(50)	Name of borough the community is located in, including the "Unorganized Borough."	N/A		Ad hoc, irregular updates	NA	Multiple resources	10	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	CENSUS_AREA	varchar(30)	Name of borough the community is located in as defined by the U.S. Census Bureau.	N/A		Ad hoc, irregular updates	NA	Multiple resources	13	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	CENTRAL_WAT_PT	varchar(5)	Whether or not a central water point is available (eg. Tap or pump). Water is typically hauled from this point.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	34	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	COMM_BORO_NAME	varchar(30)	Name of community as given by borough.	N/A		Ad hoc, irregular updates	NA	Multiple resources	1	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	dcged_data_id	int	Unique Identification Number for community within DCED data.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dcged_data/v_dcged	DCED_REG_OFFICE	varchar(10)	DCRA Regional Office community is assigned to.	N/A		Ad hoc, irregular updates	NA	Multiple resources	7	NA
DCED	External Data Resource	dcged_data/v_dcged	DEC_LNDFL_PERMIT	varchar(5)	Whether or not a landfill is permitted by DEC in this community.	N/A		Ad hoc, irregular basis (About every 1-2 years)	2000 or 2001	Department of Environmental Compliance (DEC)	58	July 1999
DCED	External Data Resource	dcged_data/v_dcged	ELEC_CAPAC_KW	numeric(6)	Electrical generation capacity of community (in kilowatts).	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	40	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	ELEC_RATE_KWH	numeric(6,3)	Electric rates per kilowatt hour, at subsidized rate if applicable.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	42	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	FEMALE_POP	numeric(6)	Female population of community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	62	1990
DCED	External Data Resource	dcged_data/v_dcged	HEAD_START	varchar(255)	Whether or not community has a head start program available.	N/A		Ad hoc, irregular updates	NA	Multiple resources	18	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	HOUSE_ELEC_DISTRICT	varchar(70)	House of Representatives election district number for community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	Based on U.S. Census by State legislature.	8	1990
DCED	External Data Resource	dcged_data/v_dcged	HOUSING_UNITS	numeric(6)	Total number of housing units in community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	67	1990
DCED	External Data Resource	dcged_data/v_dcged	INCORP_TYPE	varchar(50)	Type of incorporated municipality (eg. 2nd class city, Home Rule Borough, etc...).	N/A		Ad hoc, irregular updates	NA	Multiple resources	4	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	LANDFILL_OPERATOR	varchar(30)	Name of organization responsible for operation/maintenance of community's landfill (if applicable).	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	57	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	MALE_POP	numeric(6)	Male population of community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	61	1990
DCED	External Data Resource	dcged_data/v_dcged	MEDIAN_FAM_HH_INCOME	numeric(6)	Median family household income.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	71	1990
DCED	External Data Resource	dcged_data/v_dcged	MEDIAN_RENT_PAID	numeric(6)	Median rent paid in community or area.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	70	1990

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DATA DICTIONARY FOR THE DIVISION of COMMERCE and ECONOMIC DEVELOPMENT (DCED)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency ¹	Next Update ¹	Original Source of Data ¹	APCD #	Age of APCD Data
DCED	External Data Resource	dcged_data/v_dcged	NON_NATIVE_POP	numeric(6)	Non-native population of community (black, white, Asian, other).	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	63	1990
DCED	External Data Resource	dcged_data/v_dcged	NUM_SCHOOLS_COMMUN	numeric(4)	Number of schools located in the community.	N/A		Ad hoc, irregular updates	NA	Multiple resources	15	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dcged	NUM_STUDENTS_COMMUN	numeric(5)	Number of students enrolled in the community's primary school system.	N/A		Annual, during First Quarter	First Quarter 2001	Department of Education	76	First Quarter 2000
DCED	External Data Resource	dcged_data/v_dcged	OCCUPIED_HU	numeric(6)	Total number of occupied housing units, also known as households. Equal to number of owned homes plus rented units.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	68	1990
DCED	External Data Resource	dcged_data/v_dcged	OTHER_ETHNIC_POP	numeric(6)	Other ethnic population of community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	66	1990
DCED	External Data Resource	dcged_data/v_dcged	PCE_SUBSIDY	varchar(5)	Whether or not Power Cost Equalization (PCE) subsidy is granted to electric utility to offset customer costs.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	41	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	PCT_HH_OTH_SEWER	numeric(6,3)	% of households using other sewage disposal system such as honeybuckets; not public system or septic.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	38	1990
DCED	External Data Resource	dcged_data/v_dcged	PCT_HH_PUB_SEWER	numeric(6,3)	% of households connected to the public sewer system.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	36	1990
DCED	External Data Resource	dcged_data/v_dcged	PCT_HH_SEPTIC_SEWER	numeric(6,3)	% of households using an individual septic tank or cesspool sewage disposal system.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	37	1990
DCED	External Data Resource	dcged_data/v_dcged	PCT_NATIVE_POP	numeric(7,4)	% of total community population that is Native.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	64	1990
DCED	External Data Resource	dcged_data/v_dcged	PCT_POVERTY	numeric(7,4)	% of total community population living in poverty.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	72	1990
DCED	External Data Resource	dcged_data/v_dcged	PCT_UNEMPLOYMENT	numeric(7,4)	% of civilian persons not employed. Official unemployment rate. Does not include persons who are not in the labor-force (not seeking employment).	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	75	1990
DCED	External Data Resource	dcged_data/v_dcged	PERSONS_AGE_16	numeric(6)	Number of persons in the community age 16 and over. Considered the "labor-force."	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	73	1990
DCED	External Data Resource	dcged_data/v_dcged	PIPED_WATER	varchar(5)	Whether or not a piped water system is used in the community. Does not imply that all residents are connected.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	33	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	POP_1990	numeric(6)	Total community population in 1990 according to Census.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	60	1990
DCED	External Data Resource	dcged_data/v_dcged	POPULATION	numeric(6)	Current population of community, from State Demographer estimate for unincorporateds or DCRA certified population for municipalities.	N/A		Annual	December 15, 2000	Department of Labor	3	1999
DCED	External Data Resource	dcged_data/v_dcged	POWER_SOURCE	varchar(50)	Electrical utilities power source (oil, hydro, natural gas or coal).	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	39	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	PROPERTY_TAX	varchar(50)	Property tax rate, City and Borough, if applicable.	N/A		Annual each April	April 2001	Internal DCED research.	50	April 2000
DCED	External Data Resource	dcged_data/v_dcged	REFUSE_COLLECTOR	varchar(30)	Name of organization responsible for collecting household refuse.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	56	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dcged	REG_DEV_ORG_ARDOR	varchar(50)	Alaska Regional Development Organization (ARDOR) that community is assigned to. Some communities in the interior have no ARDOR.	N/A		Ad hoc, irregular updates	NA	Multiple resources	5	Unknown due to ad hoc updates.

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Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency ¹	Next Update ¹	Original Source of Data ¹	APCD #	Age of APCD Data
DCED	External Data Resource	dced_data/v_dced	REG_HOUSING_AUTH	varchar(50)	Name of regional housing authority providing services to the community.	N/A		Ad hoc, irregular updates	NA	Multiple resources	6	Unknown due to ad hoc updates.
DCED	External Data Resource	dced_data/v_dced	REG_NATIVE_CORP	varchar(50)	Regional ANSCA Native Corporation that community is a member of.	N/A		NA	NA	Internal DCED research.	82	NA
DCED	External Data Resource	dced_data/v_dced	RURAL	varchar(5)	Whether or not community is considered rural using DCRA guidelines.	N/A		Ad hoc, irregular updates	NA	Multiple resources	81	Unknown due to ad hoc updates.
DCED	External Data Resource	dced_data/v_dced	SALES_TAX	varchar(30)	Sales tax rate(s), City & Borough, if applicable.	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	49	FY 1998
DCED	External Data Resource	dced_data/v_dced	SCHOOL_DIST_REAA	varchar(50)	Name of REAA or school district which operates the community's school(s).	N/A		Ad hoc, irregular updates	NA	Multiple resources	14	Unknown due to ad hoc updates.
DCED	External Data Resource	dced_data/v_dced	SENATE_ELEC_DIST	varchar(30)	Senate Election District number(s).	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	Based on U.S. Census by State legislature.	9	1990
DCED	External Data Resource	dced_data/v_dced	SPECIAL_TAXES	varchar(100)	Special taxes such as fish, hotel/motel, alcohol and severance tax, if applicable. City and Borough.	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	51	FY 1998
DCED	External Data Resource	dced_data/v_dced	TOT_PERSONS_EMPLOYED	numeric(6)	Total number of employed persons in community.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	74	1990
DCED	External Data Resource	dced_data/v_dced	VACANT_HU	numeric(6)	Number of vacant housing units. Since this was measured in April 1990, it is indicative of the winter population of a given community, without summer seasonal population influx.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	69	1990
DCED	External Data Resource	dced_data/v_dced	WATER_TRUCK	varchar(5)	Whether or not a water truck is available to deliver water. Usually indicates that homes have a water holding tank to provide running water.	N/A		Census is every 10 years. Data available 1.5 years post census.	Fall 2001	U.S. Census	35	1990
DCED	External Data Resource	dced_data/v_dced	ACCOMODATIONS	varchar(1000)	Hotels, motels, Bed & Breakfast, School, Office facilities for overnight accommodations in community.	N/A		Ad hoc, irregular updates	NA	Multiple resources	48	Unknown due to ad hoc updates.
DCED	External Data Resource	dced_data/v_dced	AUDIT_CFS	varchar(6)	Source from which municipal financial information is derived.	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	52	FY 1998
DCED	External Data Resource	dced_data/v_dced	CABLE_PROVIDER	varchar(255)	Cable TV utility name.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	46	Either 1994 or 1998
DCED	External Data Resource	dced_data/v_dced	CITY	varchar(50)	City of mailing address for primary community contact.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dced_data/v_dced	CLINIC_CONTACT	varchar(255)	Name of individual to contact at health clinic.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	27	1999
DCED	External Data Resource	dced_data/v_dced	CLINIC_PHONE	varchar(30)	Phone number of community health clinic or health aide.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	28	1999
DCED	External Data Resource	dced_data/v_dced	CLINIC_STATUS	varchar(255)	Current status/condition of clinic	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services		1999
DCED	External Data Resource	dced_data/v_dced	COMM_BORO_NAME	varchar(30)	Name of community as given by borough.	N/A		Ad hoc, irregular updates	NA	Multiple resources	1	Unknown due to ad hoc updates.
DCED	External Data Resource	dced_data/v_dced	COMMUNITY_HALL	varchar(255)	Organization operating a Community Hall.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	46	Either 1994 or 1998
DCED	External Data Resource	dced_data/v_dced	dced_data_id	int	Unique Identification Number for community within DCED data.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dced_data/v_dced	E_MAIL	varchar(100)	Municipal email address.	N/A		Annual, every Third Quarter	Third Quarter 2000	DCED's Municipal Official Directory	30	Third Quarter 1999
DCED	External Data Resource	dced_data/v_dced	EXP_PER_CAPITA	numeric(5)	Operating expenditures per resident.	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	55	FY 1998
DCED	External Data Resource	dced_data/v_dced	FAX	varchar(30)	Fax number of primary community contact	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dced_data/v_dced	FIRE_RESCUE_FACIL	varchar(500)	Local fire and rescue facilities.	N/A		Annual	2001	State Fire Marshall	43	2000

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DATA DICTIONARY FOR THE DIVISION of COMMERCE and ECONOMIC DEVELOPMENT (DCED)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency ¹	Next Update ¹	Original Source of Data ¹	APCD #	Age of APCD Data
DCED	External Data Resource	dcged_data/v_dced	FLUSH_TOILET	varchar(5)	Whether or not health clinic has a flush toilet.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	80	1999
DCED	External Data Resource	dcged_data/v_dced	FULL_NAME	varchar(50)	Full name of individual who is the primary community contact.	N/A		Ad hoc, irregular updates	NA	Multiple resources	23	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dced	FULL_NAME_2ND	varchar(50)	Full name of individual who is the secondary community contact.	N/A		Ad hoc, irregular updates	NA	Multiple resources	24	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dced	GYM_OR_POOL	varchar(255)	Organization operating a public gymnasium or swimming pool.	N/A		Ad hoc, irregular updates (About every 4 years.)	NA	DCED Survey performed in 1994 and 1998. Irregular updates.	17	Either 1994 or 1998
DCED	External Data Resource	dcged_data/v_dced	HEALTH_CLINIC_HOSP	numeric(8)	Expenditures for health clinic or hospital operations (may be reimbursed by patient fees).	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	54	FY 1998
DCED	External Data Resource	dcged_data/v_dced	HEALTH_COMMENTS	varchar(2000)	Comments on health facilities: Acute care, long-term care, alternate water and sewer methods, etc.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	77	1999
DCED	External Data Resource	dcged_data/v_dced	IN_STATE_PHONE	varchar(255)	Local, in-state, phone company name.	N/A		Ad hoc, irregular updates	NA	Alaska Public Regulatory Commission, multiple resources	44	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dced	INTERNET_URL	varchar(100)	URL address of municipal web page.	N/A		Annual, every Third Quarter	Third Quarter 2000	DCED's Municipal Official Directory	30	Third Quarter 1999
DCED	External Data Resource	dcged_data/v_dced	LONG_DIST_PHONE	varchar(255)	Long distance phone company name.	N/A		Ad hoc, irregular updates	NA	Alaska Public Regulatory Commission, multiple resources	45	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dced	MUNICIPAL_FACIL_UTIL	varchar(500)	Municipal facilities and utilities.	N/A		Annual, every Third Quarter	Third Quarter 2000	DCED's Municipal Official Directory	32	Third Quarter 1999
DCED	External Data Resource	dcged_data/v_dced	MUNICIPAL_NAME	varchar(50)	Official municipal name: City of, Municipality of, etc.	N/A		Annual, every Third Quarter	Third Quarter 2000	DCED's Municipal Official Directory	2	Third Quarter 1999
DCED	External Data Resource	dcged_data/v_dced	PHONE	varchar(30)	Phone number of primary community contact.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dcged_data/v_dced	PLAN_ZONE_TITLE	varchar(40)	Planning Commission, Planning & Zoning; Zoning & Utilities Commission.	N/A		Annual, every Third Quarter	Third Quarter 2000	DCED's Municipal Official Directory	2	Third Quarter 1999
DCED	External Data Resource	dcged_data/v_dced	POSITION	varchar(50)	Position of primary community contact.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dcged_data/v_dced	REV_PER_CAPITA	numeric(5)	Municipal operating revenues per resident.	N/A		Annual, every Fourth Quarter	Fourth Quarter 2000	City and Borough Audit	53	FY 1998
DCED	External Data Resource	dcged_data/v_dced	RUNNING_WATER	varchar(5)	Does community health clinic have a running water system, either piped or tank?	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	79	1999
DCED	External Data Resource	dcged_data/v_dced	STATE	varchar(2)	State of mailing address for primary community contact.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dcged_data/v_dced	STREET_ADDRESS	varchar(80)	Street address of mailing address for primary community contact.	N/A		NA	NA	NA	NA	NA
DCED	External Data Resource	dcged_data/v_dced	TELECONF_SERVICE	varchar(255)	Teleconferencing networks available in community.	N/A		Ad hoc, irregular updates	NA	Alaska Public Regulatory Commission, multiple resources	47	Unknown due to ad hoc updates.
DCED	External Data Resource	dcged_data/v_dced	VILLCORP	varchar(150)	Names and mailing addresses of village corporations.	N/A		Annual	Fourth Quarter 2000	Bureau of Indian Affairs	21	December 1999
DCED	External Data Resource	dcged_data/v_dced	VILLCOUN	varchar(150)	Names and mailing addresses of village councils; for BIA-recognized village councils.	N/A		Annual	Fourth Quarter 2000	Bureau of Indian Affairs	22	December 1999
DCED	External Data Resource	dcged_data/v_dced	YEAR_BUILT	varchar(10)	Year that community health clinic was constructed.	N/A		Once per two years	2001	Public Health Nurse Survey, Division of Public Health in the Department of Health and Social Services	78	1999
DCED	External Data Resource	dcged_data/v_dced	ZIP_CODE	varchar(10)	Zip code of mailing address for primary community contact.	N/A		Ad hoc, irregular updates	NA	Multiple resources	11	Unknown due to ad hoc updates.

¹ = The best case definition was defined by DCED Administrator.
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DATA DICTIONARY FOR EMERGENCY MEDICAL SERVICES (EMS)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
EMS	External Data Resource	ems_access	access	varchar(15)	Name of access type.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_access	apc_code	varchar(2)	Code used to identify access type in database.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_access	definition	varchar(100)	Definition of access type.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	access	varchar(20)	List of access types (hw=highway, sh=summer highway, lh=limited highway, m=marine, lm=limited marine, c=coastal, r=river, l=lake, a=airstrip, ap=airport, fp=floatplane, h=helicopter, hp=helipoint, s=satellite, sp=seaplane port).	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	community_name	varchar(40)	Name of community.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	ems_level	varchar(10)	EMS Level of care (1=Village, 2=Small town, 3=Large town, 4=Small city, 5=Urban center).	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996

DATA DICTIONARY FOR EMERGENCY MEDICAL SERVICES (EMS)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
EMS	External Data Resource	ems_data/ v_ems_data	ems_region	char(2)	EMS region (1C=Interior, 2C=Mat-Su, 2D=Anchorage, 2E=Copper River, 2F=Prince William Sound, 2G=Kodiak, 2H=Aleutian/Pribilof, 2I=Bristol Bay, 2J=Kenai Peninsula, 3A=Southeast, 3B=Annette Island, 4A=Manilaq Assoc., 5A=Norton Sound, 6A=North Slope, 7A=Yukon Kuskowim, 9A=Outside Alaska).	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	on_ems_list	char(1)	Internal database field	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	population	integer	Community Population.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	providers	varchar(10)	Types of EMS providers in community (911=Access to EMS through 911 telephone number, V=Volunteer EMS service, P=Paid EMS Service, H=Health Aide, M=Military).	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_data/ v_ems_data	seasonal_impacts	varchar(20)	Types of seasonal impacts in community (p=Population, t=Transportation, e=EMS Responders, h=High-Risk Industry, l=Low-Risk Industry).	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_level	definition	varchar(100)	Definition of EMS level.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996

DATA DICTIONARY FOR EMERGENCY MEDICAL SERVICES (EMS)

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
EMS	External Data Resource	ems_level	ems	varchar(100)	Type of EMS at this level.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_level	ems_level	char(1)	Level of EMS.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_level	general_access	varchar(100)	General accessibility of communities at this EMS level.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_level	population	varchar(100)	Population range of communities at this EMS level.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_provider	definition	varchar(100)	Definition of Provider code.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_provider	provider_code	varchar(3)	Provider code.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_region	definition	varchar(100)	Definition of EMS region code.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_region	ems_region	char(2)	EMS Region code.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_seasonal_impacts	apc_code	char(1)	Seasonal impact code.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996

DATA DICTIONARY FOR EMERGENCY MEDICAL SERVICES (EMS)

<i>Source</i>	<i>Table Type</i>	<i>Table/View Name</i>	<i>Column Name (Field Name)</i>	<i>Data Type</i>	<i>Definition</i>	<i>FNAQ Question</i>	<i>Last Updated</i>	<i>Update Frequency</i>	<i>Next Update</i>	<i>Original Source of Data</i>	<i>APCD #</i>	<i>Age of APCD Data</i>
EMS	External Data Resource	ems_seasonal_impacts	definition	varchar(100)	Definition of seasonal impact.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996
EMS	External Data Resource	ems_seasonal_impacts	seasonal_impact	varchar(20)	Name of seasonal impact.	N/A	February, 1996	Ad hoc, Irregular Updates	Possibly 2001	Alaska EMS Goals, "A Guide For Developing Alaska's Emergency Medical Services System	N/A	February, 1996

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	Amount	money	Amount of money appropriated.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	AR	nchar(5)		N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	CH	nchar(3)		N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	CommunityName	nchar(50)	Community Name	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	Department	nchar(50)	Department	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	Description	nchar(50)	Description of Appropriation	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	L	nchar(2)	Unknown 1-3 digit numeric	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	P	nchar(3)	Unknown 1-3 digit numeric	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	SLA	nchar(50)	Session Law of AK Year.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblAppropriations/ v_clinic_data	Text	nchar(16)	Facility/Project receiving appropriation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Address	nchar(25)	Mailing address of clinic officer.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Age	float(53)	Age of clinic (in years) in 1994.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	BuildingOwner	nchar(50)	Owner of clinic building.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	ClinicNumber	int	Internal identifier number for clinic.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	ClinicType	nchar(50)	Type of clinic.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Comments	nchar(16)	Additional comments.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	CommunityName	nchar(50)	Community in which the clinic is located.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Corporation	nchar(50)	Corporation in charge of the clinic.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	DateBuilt	float(53)	Year clinic was built.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Electricity	nchar(25)	Whether or not clinic has electricity.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	LandOwner	nchar(50)	Owner of clinic land.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Officer	nchar(40)	Clinic officer name.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	PatientAverage	float(53)	Average number of patients.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Phone	nchar(50)	Phone number of clinic officer.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	PHSLease	nchar(1)	Community lease (Y/N)	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	PJCost	float(53)	PJ Cost.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Priority	float(53)	Clinic priority.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Ratio	float(53)	Ratio of clinic area to population	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Sewer	nchar(25)	Type of sewer system (or whether or not system exists).	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	SquareFeet	float(53)	Area used by clinic (in square feet).	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Status	nchar(30)	Status of clinic.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Utility	nchar(45)	Notes on Utilities.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicInfo/ v_clinic_data	Water	nchar(25)	Type of water system (or whether or not system exists).	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicNameLookup/ v_clinic_data	ClinicName	nchar(50)	Name of clinic.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicNameLookup/ v_clinic_data	ClinicNumber	int	Clinic's identifying number.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblClinicNameLookup/ v_clinic_data	CommunityName	nchar(50)	Community wherein clinic resides.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	ANCSA	bit	ANSCA Village (Y/N)	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	AverageTemperature	nchar(10)	Average Temperature Range of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	Climate	nchar(16)	Description of climate in community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	CommunityName	nchar(20)	Name of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	Corporation	nchar(50)	Regional Health Corporation for community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/ v_clinic_data	ED#	nchar(3)	Election District number for community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	EDDescription	nchar(50)	Election District description for community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	EDLetter	nchar(1)	Election District letter for community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Geocode	nchar(3)	3 character alpha plus 2 digit numeric state location code	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	IncorporationType	nchar(50)	Type of Incorporation for community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Latitude	nchar(4)	Latitude of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Longitude	nchar(5)	Longitude of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	PHSLEASE	nchar(1)	Clinic lease with PHS (Y/N)	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Population	float(53)	1997 Community Population.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	PreviousName	nchar(75)	Previous name of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Region	nchar(40)	Region.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Village Electric	nchar(16)	Description of Electric utilities.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Village Sewer	nchar(16)	Description of Sewer system.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	Village Water	nchar(16)	Description of Water system.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblCommunityInfo/v_clinic_data	ZipCode	nchar(9)	Zip code of community.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	City	nchar(50)	City of address for Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	FaxNumber	nchar(50)	Fax number of Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	HealthCorporationName	nchar(50)	Name of Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	POBox	nchar(50)	Post Office Box number for Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	State	nchar(50)	State of address for Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	StreetAddress	nchar(50)	Street address for Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	Telephone	nchar(50)	Telephone number of Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	UnderRegionalCorporation	nchar(50)	Name of Regional Corporation this Health Corporation is under.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblHealthCorporationLookup	ZipCode	nchar(9)	Zip code of address for Health Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	FIVE	float(53)	Population / clinic area ratio deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	FOUR	float(53)	Building age deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	NAME	nchar(20)	Unknown	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	ONE	float(53)	Water supply deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	SEVEN	float(53)	Other conditions deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR THE 1994 DHSS VILLAGE HEALTH CLINIC INFORMATION

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	SIX	float(53)	Building condition deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	THREE	float(53)	Electrical system deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	TOTAL	float(53)	Total deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRATING/v_clinic_data	TWO	float(53)	Sewer system deficiency rating	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	City	nchar(50)	City of address for Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	FaxNumber	nchar(50)	Fax Number of Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	POBox	nchar(50)	Post Office Box number for Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	RegionalCorporationName	nchar(50)	Name of Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	State	nchar(50)	State of address for Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	StreetAddress	nchar(50)	Street address for Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	Telephone	nchar(50)	Telephone number of Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994
1994 Clinic Survey	External Data Resource	tblRegionalCorporationLookup	ZipCode	nchar(9)	Zip code of address for Regional Corporation.	N/A	January, 1994	No future update planned.	No future update planned.	Dept of Health & Social Services Village Health Clinic Information Overview	N/A	January, 1994

DATA DICTIONARY FOR CENSUS BUREAU INFORMATION

<i>Source</i>	<i>Table Type</i>	<i>Table/View Name</i>	<i>Column Name (Field Name)</i>	<i>Data Type</i>	<i>Definition</i>	<i>FNAQ Question</i>	<i>Last Updated</i>	<i>Update Frequency</i>	<i>Next Update</i>	<i>Original Source of Data</i>	<i>APCD #</i>	<i>Age of APCD Data</i>
Census	External Data Resource	census_data	census_place	varchar(40)	Census place identifier	N/A	1990	10 years	2000	U.S. Census Bureau	N/A	1990
Census	External Data Resource	census_data	city_cdp	varchar(4)	Indicates whether the census place is a city of a CDP (Census Designated Place)	N/A	1990	10 years	2000	U.S. Census Bureau	N/A	1990
Census	External Data Resource	census_data	community_name	varchar(40)	City or CDP name	N/A	1990	10 years	2000	U.S. Census Bureau	N/A	1990
Census	External Data Resource	census_data	fips_code	varchar(5)	FIPS Code	N/A	1990	10 years	2000	U.S. Census Bureau	N/A	1990

DATA DICTIONARY FOR THE INDIAN HEALTH SERVICE FACILITIES DATABASE

Source	Table Type	Table Name/View	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
IHS	External Data Resource	b_addr/ v_ihs	address_id	int	Unique Identifier for address.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	area	char(2)	IHS Area Office	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	city_town	varchar(40)	Name of city/town.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	inst_name	varchar(30)	Installation name.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	prop_type	char(1)	Property type (G=Government-owned, T=Trust, O=Tribally-owned, L=Leased).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	rec_status	smallint	Record status (active or inactive)	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_addr/ v_ihs	state	char(2)	State code for address.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	address_id2	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	age	smallint	Age of building or structure (in years).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	ar	char(2)	Area Code (snapshot from HQW statistical data).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000

DATA DICTIONARY FOR THE INDIAN HEALTH SERVICE FACILITIES DATABASE

Source	Table Type	Table Name/View	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
IHS	External Data Resource	b_bls/ v_ihs	bls_id	int	Unique Identifier for BLS (Building Land Structure) data.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	chaps	float(53)	CHAPS	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	cntrct_amngmt	char(11)	Contract Arrangement between Facilities Program and Building Owner.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	equip_alloc	float(53)	Equipment dollars allocated to Building/Structure.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	equip_elig	char(1)	Whether or not the Building/Structure is eligible for equipment dollars.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	equip_funds_mgr	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	fa	char(2)	Facilities Code (Snapshot of HQW data).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	gsf	float(53)	Floor area of building (Gross Square Feet).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	m_i_elig	char(1)	Whether or not the Building/Structure is eligible for M&I dollars.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/ v_ihs	m_i_funds_mgr	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000

DATA DICTIONARY FOR THE INDIAN HEALTH SERVICE FACILITIES DATABASE

Source	Table Type	Table Name/View	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
IHS	External Data Resource	b_bls/v_ihs	opv	float(53)	Number of Outpatient visits.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/v_ihs	rp_det_desc	varchar(40)	Description of the Building, Land, or Structure.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls/v_ihs	su	char(2)	Service Unit Code (Snapshot of HQW data)	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls_funds_mgr/v_ihs	area	char(2)	Area	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls_funds_mgr/v_ihs	fm_id	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_bls_funds_mgr/v_ihs	funds_mgr_name	varchar(75)	Funds manager name.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds/v_ihs	budget_est	money	Estimated cost to fix deficiency.	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000

DATA DICTIONARY FOR THE INDIAN HEALTH SERVICE FACILITIES DATABASE

Source	Table Type	Table Name/View	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
IHS	External Data Resource	b_feds/ v_ihs	defic_cd	smallint	Deficiency code (1=Patient Care, 2=Life Safety Compliance, 3=General Safety, 4=Environmental Compliance, 5=Program Deficiencies, 6=Unmet Supportable Space Needs, 7=Handicapped Compliance, 8=Energy Conservation, 9=Plant Management, 10=BEMAR Architectural, 11=BEMAR Structural, 12=BEMAR Mechanical, 13=BEMAR Electrical, 14=BEMAR Utilities, 15=BEMAR Grounds, 16=Quarters, 17=BEMAR RP Installed Equipment, 18=Seismic Mitigation, 21=Roof, 22=Painting).	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds/ v_ihs	defic_code_id	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds/ v_ihs	feds_id	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds/ v_ihs	rec_status	smallint	Status (1=Active, 2=Archived, 3=Deleted)	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds_bls/ v_ihs	bls_id	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000
IHS	External Data Resource	b_feds_bls/ v_ihs	feds_id	int	Internal database field	N/A	May 26, 2000	Daily at IHS, but the APCD data is static as of 5/26/00.	Daily at IHS, but not in APCD. See Database Administrator for next update.	IHS Facility Database	N/A	May 26, 2000

**Data Dictionary for Selected Health Status Indicators
Scores for Alaska Census Areas and Boroughs¹**

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
DPH	External Data	dph_file_1/ v_dhss_data	census_population	numeric(6)	1990 census population	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990
DPH	External Data	dph_file_1/ v_dhss_data	dependency_ratio	decimal(6,1)	Dependency ratio	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	name	varchar(40)	Community name	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	per_cap_income	numeric(6)	1989 per capita income	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1989
DPH	External Data	dph_file_1/ v_dhss_data	place	char(5)	FIPS code	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990
DPH	External Data	dph_file_1/ v_dhss_data	predicted_tr	numeric(6)	Predicted trauma ratio	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	tr_ratio	decimal(6,2)	Trauma rate ratio	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	youth	numeric(6)	Youth (under 18) population	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	actual_tr	numeric(6)	Actual trauma ratio	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	age_18_64	numeric(6)	18 - 64 population	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	age_65_plus	numeric(6)	65+ population	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_1/ v_dhss_data	average_population	numeric(6)	1991 - 1997 Average population	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1991-1997
DPH	External Data	dph_file_1/ v_dhss_data	cen	char(3)	Census area number	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available

¹ = Unique report created 6/12/00 by AK DHSS.
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**Data Dictionary for Selected Health Status Indicators
Scores for Alaska Census Areas and Boroughs¹**

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
DPH	External Data	dph_file_1/ v_dhss_data	census_area	varchar(40)	Census area (Population data for Yakutat was combined with Skagway, Hoonah and Angoon until 1994. Therefore death rate calculations have been combined.)	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_2/ v_dhss_data	age_adjusted_mortality_rate	decimal(6,1)	1990 - 1998 age adjusted mortality rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data	dph_file_2/ v_dhss_data	cancer_deathrate	decimal(6,1)	1990 - 1998 cancer death rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data	dph_file_2/ v_dhss_data	census_area	varchar(40)	Census area	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data	dph_file_2/ v_dhss_data	fertility_rate	decimal(6,1)	1996 - 1998 fertility rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1996-1998
DPH	External Data	dph_file_2/ v_dhss_data	heart_disease_deathrate	decimal(6,1)	1990 - 1998 heart disease rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data	dph_file_2/ v_dhss_data	homicide_rate	decimal(6,1)	1990 - 1998 homicide rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data	dph_file_2/ v_dhss_data	percent_teen_births_to_total	decimal(6,1)	1990 - 1998 % teen births to total	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data Resource	dph_file_2/ v_dhss_data	post_neonatal_death_rate	decimal(6,1)	Post-neonatal mortality rate (per 1000 births)	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data Resource	dph_file_2/ v_dhss_data	suicide_deathrate	decimal(6,1)	1990 - 1998 suicide death rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998
DPH	External Data Resource	dph_file_2/ v_dhss_data	sum_of_rate_ratios	decimal(6,1)	Sum of rate ratios (Census Area / State Avg. for all nine rates)	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	Not Available
DPH	External Data Resource	dph_file_2/ v_dhss_data	unintentionalinjury_death_rate	decimal(6,1)	1990 - 1998 unintentional injury death rate	N/A	N/A	Unknown, ad hoc report	Unknown, ad hoc report	AK Dept of Health & Social Services	N/A	1990-1998

¹ = Unique report created 6/12/00 by AK DHSS.
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DATA DICTIONARY FOR THE FAA REGIONAL AIRPORT PLAN

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
FAA	External Data Resource	airport/v_airport	apcd_seq	char(1)	Added to make multiple runways sort as in original document	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	approach_lighting	varchar(3)	Whether or not primary runway has approach lighting.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	associated_city	varchar(40)	City or community where airport is located.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	length	numeric(5)	Length of runway in feet.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	precision_approach	varchar(3)	Whether or not primary runway has precision approach system.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	runway	varchar(10)	Runway identifier.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	runway_edge_lighting	varchar(3)	Whether or not runway has edge lighting.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	surface	varchar(4)	Surface material for runway.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999
FAA	External Data Resource	airport/v_airport	taxiway_lighting	varchar(3)	Whether or not taxiway has lighting and sign system.	N/A	August, 1999	Annual	August, 2000	FAA Regional Airport Plan	N/A	August, 1999

DATA DICTIONARY FOR MISCELLANEOUS AD HOC SPREADSHEETS LINKED BY APCD COMMUNITY NAME

Source	Table Type	Table/View Name	Column Name (Field Name)	Data Type	Definition	FNAQ Question	Last Updated	Update Frequency	Next Update	Original Source of Data	APCD #	Age of APCD Data
APCD Generated	External Data Resource	community_misc/v_misc_data	community_id	int	Unique community identifier generated by APCD normalization process	N/A	N/A	Never, one-time report.	Never, one-time report.	Alaska Primary Care Database	N/A	N/A
ArcInfo Nearest Hospital Query	External Data Resource	community_misc/v_misc_data	airmiles_to_hospital	decimal(8,3)	Distance by air to nearest hospital (in miles)	N/A	N/A	Never, one-time report.	Never, one-time report.	ArcInfo Nearest Hospital Query (Alaska In Maps: A Thematic Atlas)	N/A	August, 2000
APCD Generated	External Data Resource	community_misc/v_misc_data	community_name	varchar(40)	Name of the APCD community	N/A	N/A	Never, one-time report.	Never, one-time report.	Alaska Primary Care Database	N/A	N/A
ArcInfo Nearest Hospital Query	External Data Resource	community_misc/v_misc_data	nearest_hospital_community	varchar(40)	Name of community with nearest hospital	N/A	N/A	Never, one-time report.	Never, one-time report.	ArcInfo Nearest Hospital Query (Alaska In Maps: A Thematic Atlas)	N/A	August, 2000
NANA/Dowl Spreadsheet	External Data Resource	community_misc/v_misc_data	cost_factor	decimal(4,2)	Cost multiplier	N/A	N/A	Never, one-time report.	Never, one-time report.	Project spreadsheet (Steering Committee)	N/A	June, 2000
Steering Committee Spreadsheet	External Data Resource	community_misc/v_misc_data	primary_travel_mode	char(1)	Primary mode of travel to next level health care facility	N/A	N/A	Never, one-time report.	Never, one-time report.	Project spreadsheet (Steering Committee)	N/A	August, 2000
Steering Committee Spreadsheet	External Data Resource	community_misc/v_misc_data	travel_mode_comments	varchar(255)	Comments on primary mode of travel to next level health care facility	N/A	N/A	Never, one-time report.	Never, one-time report.	Project spreadsheet (Steering Committee)	N/A	August, 2000

APPENDIX C.3

APCD EXTERNAL DATA

CONTRACTS & INFORMATION

SECTION C.3 APCD EXTERNAL DATA SOURCE CONTACTS AND INFORMATION

OVERVIEW

This Section contains vital information for maintaining the APCD data content. When updating the database, the Database Administrator is strongly encouraged to review Sections B.2 APCDS Technical Documentation and this Section, C.3 APCD External Data Source Contacts and Information, prior to downloading any updated data. This section contains not only the external data source contact(s) from which to obtain current data, but it also contains cautionary information to the Database Administrator regarding each external resource prior to automatically downloading refreshed data into the APCD.

It is critical the Database Administrator analyzes the refreshed data for anomalies mentioned in the Unique Considerations and Concerns, as well as, ensure there is an entry in the community_xref table for that data resource.

The overall process for updating the external data resources is as follows:

1. Review Section C.3 APCD External Data Source Contacts and Information for the applicable external resource. Note any significant cautionary information.
2. Review Section B.2 APCDS Technical Documentation for the applicable external resource.
3. Follow the detailed technical instructions in Section B.2; however, prior to saving the data file to the data directory on the web server, make whatever changes are recommended as mentioned in Sections C.3 and B.2.

One of the challenges in building the APCD from external data resources was to match community information between various resource because frequently the communities and/or their information would not match up. For this reason it is important to analyze the data prior to updating the database to ensure the data is updated correctly.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Division of Commerce and Economic Development (DCED) Database

External Data Resource	DCED Database
Contact Name	Michael Cushing – Primary, Laura Walters - Secondary
Contact Number(s)	907-465-4751 (Michael) or 907-465-4752 (Laura)
Contact Email	Michael.Cushing@dced.state.ak.us http://www.dced.state.ak.us/mra/CF_COMDB.htm (on-line DCED database)
Database format	Oracle, Cold Fusion
Type of Link to APCD (Static vs. Dynamic)	Static as of June 27, 2000 (Refer to #3 below.)
Next DCED Data Update per Contact	<ul style="list-style-type: none">Multiple update dates because derived from numerous sources. Refer to Data Dictionary for details.“Population, current” (DOL 2000 estimates) will be available September 2000.

ACTIONS TAKEN TO OBTAIN DATA:

1. NANA/DOWL defined the data fields then GeoNorth contacted Michael Cushing, State DCED, to create a script for capturing the static DCED data.
2. Once the data was downloaded into the APCD, the community names required reconciliation as there were multiple mismatches between the DCED and the project's community list. Many of the communities were resolved due to misspelled names or using “St. Mary” versus “Saint Mary”; however, there were several project community names that could not be found. Refer to Attachment A, “Mismatched Communities”.
3. Two data fields, “Emergency Contact” and “Health Aide or Hospital Administrator”, originally requested by the Client were no longer available per Michael Cushing.
4. NANA/DOWL revised the draft algorithm which required a new data field, “Health clinic, physical status”, from DCED. Michael Cushing modified the DCED data template to include this field. GeoNorth then updated our template that takes the data from Michael's text file and loads it into the APCD. After completion of these steps, GeoNorth reran the process on June 27, 2000 to capture the additional field. This, rather than the original DCED download on May 22nd, is the static date for the DCED data.
5. GeoNorth has captured all data used for the Unmet Needs report in static tables after each major run. GeoNorth has the state of all data used, including the DCED current population

field, captured in these tables for each major run of the report (i.e. June 7, June 28 and June 29, 2000). GeoNorth also ran a query comparing the DCED populations used in the June 7th report with those used in the June 28-29 reports, in case there had been updates to the population data, and the populations were exactly the same for all communities.

UNIQUE CONSIDERATIONS / CONCERNS:

1. DCED has the population data field updated every year by Department of Labor (DOL) based largely on the Permanent Fund Dividend applications so the population number is quite accurate. Laura was quick to point out that the **community's demographic data is based upon the 1990 census information and is not current with the DOL's annual population statistics. DCED warns the APCD user about comparing the 1990 demographic data with the 1999 population data as it is** comparing apples and oranges unless you specifically use the 1990 population statistics with the 1990 demographic information.
 - Example: Erickson Air Force Station (a.k.a. Shemya) In 1990 the population was 4,000 because it was a fully functioning air force base. By the year 2000 it has been shut down so the population is currently 10.
2. DCED also warns the user about comparing demographic changes between 1990 and 2000 without also reviewing how survey questions were asked for each. For example, in 1990 the "rules" for defining whether or not there is running water in each household is different than the "rules" used for 2000.
3. The Steering Committee agreed July 20, 2000 to only use the IHS Facilities data field "Eligible Funds Manager" for communities and their respective Regional Health Corporation (RHC). The DCED data field, as of August 8, 2000, has numerous incorrect entries as they have utilized geographic boundaries to include all communities to belong to that RHC; whereas many communities are either independent or belong to a different RHC.

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

APCD Community	External Data Resource
Adak	1994 Clinic Survey
Adak	FAA (airport)
Adak	IHS
Adak	PHN
Akhiok	FAA (airport)
Akiachak	FAA (airport)
Akiak	FAA (airport)
Alatna	1994 Clinic Survey
Alatna	Census
Alatna	FAA (airport)
Alcan	1994 Clinic Survey
Alcan	FAA (airport)
Alcan	IHS
Aleknagik	FAA (airport)
Alexander Creek	1994 Clinic Survey
Alexander Creek	Census
Alexander Creek	DPH Vital Statistics
Alexander Creek	FAA (airport)
Alexander Creek	IHS
Alexander Creek	PHN
Allakaket	FAA (airport)
Ambler	FAA (airport)
Anchor Point	1994 Clinic Survey
Anchor Point	FAA (airport)
Anchor Point	IHS
Anderson	FAA (airport)
Anderson	IHS
Andreafsky	1994 Clinic Survey
Andreafsky	Census
Andreafsky	FAA (airport)
Andreafsky	IHS
Andreafsky	PHN
Anvik	FAA (airport)
Arctic Village	FAA (airport)
Atka	FAA (airport)
Atmautluak	FAA (airport)
Atkasuk	FAA (airport)
Beaver	FAA (airport)
Bettles	1994 Clinic Survey
Bettles	IHS
Big Delta	1994 Clinic Survey
Big Delta	FAA (airport)
Big Delta	IHS
Big Delta	PHN
Big Lake	1994 Clinic Survey
Big Lake	FAA (airport)
Big Lake	IHS
Birch Creek	FAA (airport)

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Birch Creek	IHS
Brevig Mission	FAA (airport)
Butte	1994 Clinic Survey
Butte	FAA (airport)
Butte	IHS
Butte	PHN
Cantwell	FAA (airport)
Central	1994 Clinic Survey
Central	FAA (airport)
Central	IHS
Chalkyitsik	FAA (airport)
Chase	1994 Clinic Survey
Chase	FAA (airport)
Chase	IHS
Chase	PHN
Chefornak	FAA (airport)
Chenega Bay	FAA (airport)
Chickaloon	1994 Clinic Survey
Chickaloon	FAA (airport)
Chickaloon	IHS
Chignik	FAA (airport)
Chignik Lagoon	FAA (airport)
Chignik Lake	FAA (airport)
Chiniak	1994 Clinic Survey
Chiniak	FAA (airport)
Chiniak	IHS
Chistochina	FAA (airport)
Chitina	FAA (airport)
Chuathbaluk	FAA (airport)
Circle	FAA (airport)
Circle	PHN
Circle Hot Springs	1994 Clinic Survey
Circle Hot Springs	FAA (airport)
Circle Hot Springs	IHS
Circle Hot Springs	PHN
Clam Gulch	1994 Clinic Survey
Clam Gulch	FAA (airport)
Clam Gulch	IHS
Clark's Point	FAA (airport)
Coffman Cove	FAA (airport)
Coffman Cove	IHS
Cohoe	1994 Clinic Survey
Cohoe	FAA (airport)
Cohoe	IHS
Cohoe	PHN
College	1994 Clinic Survey
College	FAA (airport)
College	IHS
College	PHN

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Cooper Landing	1994 Clinic Survey
Cooper Landing	FAA (airport)
Cooper Landing	IHS
Copper Center	FAA (airport)
Copperville	1994 Clinic Survey
Copperville	FAA (airport)
Copperville	IHS
Copperville	PHN
Covenant Life	1994 Clinic Survey
Covenant Life	FAA (airport)
Covenant Life	IHS
Covenant Life	PHN
Craig	IHS
Crooked Creek	FAA (airport)
Crown Point	1994 Clinic Survey
Crown Point	FAA (airport)
Crown Point	IHS
Crown Point	PHN
Cube Cove	1994 Clinic Survey
Cube Cove	FAA (airport)
Cube Cove	IHS
Deering	FAA (airport)
Delta Junction	FAA (airport)
Delta Junction	IHS
Dot Lake	FAA (airport)
Dry Creek	1994 Clinic Survey
Dry Creek	FAA (airport)
Dry Creek	IHS
Dry Creek	PHN
Eagle	FAA (airport)
Edna Bay	FAA (airport)
Edna Bay	IHS
Eek	FAA (airport)
Egegik	FAA (airport)
Eklutna	1994 Clinic Survey
Eklutna	Census
Eklutna	FAA (airport)
Eklutna	PHN
Ekwok	FAA (airport)
Elfin Cove	1994 Clinic Survey
Elfin Cove	FAA (airport)
Elfin Cove	IHS
Ester	1994 Clinic Survey
Ester	FAA (airport)
Ester	IHS
Ester	PHN
Evansville	FAA (airport)
Evansville	PHN
Eyak	1994 Clinic Survey

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Eyak	FAA (airport)
Eyak	IHS
Eyak	PHN
False Pass	FAA (airport)
Ferry	1994 Clinic Survey
Ferry	FAA (airport)
Ferry	IHS
Ferry	PHN
Fox	1994 Clinic Survey
Fox	FAA (airport)
Fox	IHS
Fox	PHN
Fox River	1994 Clinic Survey
Fox River	FAA (airport)
Fox River	IHS
Fox River	PHN
Fritz Creek	1994 Clinic Survey
Fritz Creek	FAA (airport)
Fritz Creek	IHS
Gakona	FAA (airport)
Gakona	IHS
Game Creek	1994 Clinic Survey
Game Creek	FAA (airport)
Game Creek	IHS
Glennallen	FAA (airport)
Glennallen	IHS
Golovin	FAA (airport)
Goodnews Bay	FAA (airport)
Grayling	FAA (airport)
Gulkana	FAA (airport)
Gustavus	1994 Clinic Survey
Gustavus	IHS
Halibut Cove	1994 Clinic Survey
Halibut Cove	FAA (airport)
Halibut Cove	IHS
Halibut Cove	PHN
Happy Valley	1994 Clinic Survey
Happy Valley	FAA (airport)
Happy Valley	IHS
Happy Valley	PHN
Harding Lake	1994 Clinic Survey
Harding Lake	FAA (airport)
Harding Lake	IHS
Harding Lake	PHN
Healy	FAA (airport)
Healy	IHS
Healy Lake	1994 Clinic Survey
Healy Lake	FAA (airport)
Healy Lake	IHS

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Hobart Bay	1994 Clinic Survey
Hobart Bay	FAA (airport)
Hobart Bay	IHS
Hollis	FAA (airport)
Hollis	IHS
Holy Cross	FAA (airport)
Hope	1994 Clinic Survey
Hope	FAA (airport)
Hope	IHS
Houston	FAA (airport)
Houston	IHS
Hughes	FAA (airport)
Hydaburg	FAA (airport)
Hyder	FAA (airport)
Hyder	IHS
Igiugig	FAA (airport)
Ivanof Bay	FAA (airport)
Jakolof Bay	1994 Clinic Survey
Jakolof Bay	FAA (airport)
Jakolof Bay	IHS
Jakolof Bay	PHN
Kachemak	FAA (airport)
Kachemak	IHS
Kaktovik	FAA (airport)
Kalifonsky	1994 Clinic Survey
Kalifonsky	FAA (airport)
Kalifonsky	IHS
Kalifonsky	PHN
Kaltag	FAA (airport)
Karluk	FAA (airport)
Kasaan	FAA (airport)
Kasilof	1994 Clinic Survey
Kasilof	FAA (airport)
Kasilof	IHS
Kasilof	PHN
Kenai	1994 Clinic Survey
Kenny Lake	1994 Clinic Survey
Kenny Lake	FAA (airport)
Kenny Lake	IHS
Klawock	FAA (airport)
Klukwan	1994 Clinic Survey
Klukwan	FAA (airport)
Knik	1994 Clinic Survey
Knik	FAA (airport)
Knik	IHS
Knik	PHN
Kobuk	FAA (airport)
Koliganek	FAA (airport)
Kongiganak	FAA (airport)

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COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Koyuk	FAA (airport)
Koyukuk	FAA (airport)
Kupreanof	FAA (airport)
Kupreanof	IHS
Kupreanof	PHN
Kwethluk	FAA (airport)
Lake Minchumina	1994 Clinic Survey
Lake Minchumina	FAA (airport)
Lake Minchumina	IHS
Lake Minchumina	PHN
Lazy Mountain	1994 Clinic Survey
Lazy Mountain	FAA (airport)
Lazy Mountain	IHS
Lazy Mountain	PHN
Levelock	FAA (airport)
Lignite	1994 Clinic Survey
Lignite	FAA (airport)
Lignite	IHS
Lignite	PHN
Lime Village	FAA (airport)
Little Diomede	FAA (airport)
Lower Kalskag	FAA (airport)
Lutak	1994 Clinic Survey
Lutak	FAA (airport)
Lutak	IHS
Lutak	PHN
Manley Hot Springs	FAA (airport)
Manokotak	FAA (airport)
Marshall	FAA (airport)
McCarthy	1994 Clinic Survey
McCarthy	FAA (airport)
McCarthy	IHS
McKinley Park	1994 Clinic Survey
McKinley Park	FAA (airport)
McKinley Park	IHS
McKinley Park	PHN
Meadow Lakes	1994 Clinic Survey
Meadow Lakes	FAA (airport)
Meadow Lakes	IHS
Meadow Lakes	PHN
Mekoryuk	FAA (airport)
Mendeltna	1994 Clinic Survey
Mendeltna	FAA (airport)
Mendeltna	IHS
Mendeltna	PHN
Mentasta Lake	FAA (airport)
Meyers Chuck	1994 Clinic Survey
Meyers Chuck	FAA (airport)
Meyers Chuck	IHS

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COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Minto	FAA (airport)
Moose Creek	1994 Clinic Survey
Moose Creek	FAA (airport)
Moose Creek	IHS
Moose Creek	PHN
Moose Pass	1994 Clinic Survey
Moose Pass	FAA (airport)
Moose Pass	IHS
Mosquito Lake	1994 Clinic Survey
Mosquito Lake	FAA (airport)
Mosquito Lake	IHS
Naknek	FAA (airport)
Nanwalek (English Bay)	FAA (airport)
Napakiaak	FAA (airport)
Napaskiak	1994 Clinic Survey
Napaskiak	FAA (airport)
Naukati Bay	1994 Clinic Survey
Naukati Bay	FAA (airport)
Naukati Bay	IHS
Nelson Lagoon	FAA (airport)
Nenana	FAA (airport)
New Stuyahok	FAA (airport)
Newhalen	FAA (airport)
Newtok	FAA (airport)
Nightmute	FAA (airport)
Nikiski	1994 Clinic Survey
Nikiski	FAA (airport)
Nikiski	IHS
Nikolaevsk	1994 Clinic Survey
Nikolaevsk	FAA (airport)
Nikolaevsk	IHS
Nikolai	FAA (airport)
Nikolski	FAA (airport)
Ninilchik	1994 Clinic Survey
Ninilchik	FAA (airport)
Noatak	PHN
Nondalton	FAA (airport)
North Pole	FAA (airport)
North Pole	IHS
North Pole	PHN
Northway	FAA (airport)
Northway Junction	FAA (airport)
Northway Junction	PHN
Nuiqsut	FAA (airport)
Nunam Iqua (Sheldon Point)	FAA (airport)
Nunapitchuk	FAA (airport)
Old Harbor	FAA (airport)
Oscarville	FAA (airport)
Ouzinkie	FAA (airport)

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Paxson	FAA (airport)
Paxson	IHS
Pedro Bay	FAA (airport)
Pelican	FAA (airport)
Perryville	FAA (airport)
Pilot Point	FAA (airport)
Pitka's Point	FAA (airport)
Platinum	FAA (airport)
Platinum	IHS
Pleasant Valley	1994 Clinic Survey
Pleasant Valley	FAA (airport)
Pleasant Valley	IHS
Pleasant Valley	PHN
Point Baker	FAA (airport)
Point Baker	IHS
Point Lay	FAA (airport)
Port Alexander	1994 Clinic Survey
Port Alexander	FAA (airport)
Port Alexander	IHS
Port Alsworth	1994 Clinic Survey
Port Alsworth	FAA (airport)
Port Alsworth	IHS
Port Clarence	1994 Clinic Survey
Port Clarence	FAA (airport)
Port Clarence	IHS
Port Clarence	PHN
Port Graham	FAA (airport)
Port Heiden	FAA (airport)
Port Lions	FAA (airport)
Port Protection	1994 Clinic Survey
Port Protection	FAA (airport)
Port Protection	IHS
Primrose	1994 Clinic Survey
Primrose	FAA (airport)
Primrose	IHS
Primrose	PHN
Prudhoe Bay	1994 Clinic Survey
Prudhoe Bay	IHS
Prudhoe Bay	PHN
Quinhagak	FAA (airport)
Rampart	FAA (airport)
Red Devil	FAA (airport)
Red Devil	IHS
Ridgeway	1994 Clinic Survey
Ridgeway	FAA (airport)
Ridgeway	IHS
Ridgeway	PHN
Ruby	FAA (airport)
Saint George	FAA (airport)

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Saint Michael	FAA (airport)
Salamatof	1994 Clinic Survey
Salamatof	FAA (airport)
Salamatof	IHS
Salamatof	PHN
Salcha	1994 Clinic Survey
Salcha	FAA (airport)
Salcha	IHS
Salcha	PHN
Saxman	FAA (airport)
Saxman	IHS
Seldovia	FAA (airport)
Shageluk	FAA (airport)
Shaktoolik	FAA (airport)
Shungnak	1994 Clinic Survey
Shungnak	FAA (airport)
Skagway	IHS
Skwentna	1994 Clinic Survey
Skwentna	FAA (airport)
Skwentna	IHS
Slana	1994 Clinic Survey
Slana	FAA (airport)
Slana	IHS
Sleetmute	FAA (airport)
South Naknek	FAA (airport)
Sterling	1994 Clinic Survey
Sterling	FAA (airport)
Sterling	IHS
Stevens Village	FAA (airport)
Stony River	FAA (airport)
Sutton	1994 Clinic Survey
Sutton	FAA (airport)
Sutton	IHS
Takotna	FAA (airport)
Talkeetna	1994 Clinic Survey
Talkeetna	FAA (airport)
Talkeetna	IHS
Tanacross	FAA (airport)
Tatitlek	FAA (airport)
Tazlina	1994 Clinic Survey
Tazlina	Census
Tazlina	FAA (airport)
Tazlina	IHS
Teller	FAA (airport)
Tenakee Springs	FAA (airport)
Tenakee Springs	IHS
Tetlin	FAA (airport)
Thorne Bay	IHS
Tok	FAA (airport)

ATTACHMENT A

COMMUNITIES AND THEIR MISMATCHED EXTERNAL DATA RESOURCE TABLES

Tok	IHS
Tonsina	1994 Clinic Survey
Tonsina	FAA (airport)
Tonsina	IHS
Tonsina	PHN
Trapper Creek	1994 Clinic Survey
Trapper Creek	FAA (airport)
Trapper Creek	IHS
Trapper Creek	PHN
Tuluksak	FAA (airport)
Tununak	FAA (airport)
Twin Hills	FAA (airport)
Two Rivers	1994 Clinic Survey
Two Rivers	FAA (airport)
Two Rivers	IHS
Two Rivers	PHN
Tyonek	FAA (airport)
Upper Kalskag	FAA (airport)
Venetie	FAA (airport)
Wales	FAA (airport)
Wasilla	1994 Clinic Survey
Wasilla	FAA (airport)
Wasilla	IHS
Whale Pass	1994 Clinic Survey
Whale Pass	FAA (airport)
Whale Pass	IHS
White Mountain	FAA (airport)
Whitestone Logging Camp	1994 Clinic Survey
Whitestone Logging Camp	FAA (airport)
Whitestone Logging Camp	IHS
Whittier	FAA (airport)
Whittier	IHS
Willow	1994 Clinic Survey
Willow	FAA (airport)
Willow	IHS
Wiseman	Census
Wiseman	FAA (airport)
Wiseman	IHS
Wiseman	PHN
Womens Bay	1994 Clinic Survey
Womens Bay	FAA (airport)
Womens Bay	IHS
Womens Bay	PHN

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Department of Health and Social Services (DHSS) Statewide Health Status, Economic, Dependency and Trauma Registry Data

External Data Resource	DHSS Statewide Health Status, Economic, Dependency and Trauma Registry Data
Contact Name	Alice Rarig, DHSS Planner III
Contact Number	465-1285 (Juneau)
URL	alice_rarig@health.state.ak.us
Database format	MS Excel
Type of Link to APCD (Static vs. Dynamic)	Static
Date of Data	Report created in July, 2000; however, the data content ranges from 1990 to 1998.
Next Data Update per Contact	Unknown, ad hoc report.

ACTIONS TAKEN TO OBTAIN DATA:

GeoNorth received an Excel spreadsheet from Jay Farmwald, NANA/DOWL, who in turn worked with Alice Rarig, DHSS, to generate overall health status, economic, dependency and trauma data for the State. This was used in the prioritization algorithms to determine those communities rating the highest priority for need of funding for primary care facilities.

UNIQUE CONSIDERATIONS / CONCERNS:

None.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

1994 Department of Health and Social Services (DHSS) Village Health Clinic Information

External Data Resource	1994 DHSS Village Health Clinic Information
Contact Name	Arnold Leibelt (In Juneau.)
Contact Number	465-1874
URL	Information not available online.
Database format	MS Access
Type of Link to APCD (Static vs. Dynamic)	Static
Data of Data	1994
Next Data Update per Contact	There are no planned updates.

ACTIONS TAKEN TO OBTAIN DATA:

1. GeoNorth received a copy of this database from Rick Boyce who received it from Arnold Leibelt.
2. The Steering Committee selected data fields from this database to be entered into the APCD.

UNIQUE CONSIDERATIONS / CONCERNS:

When a hardcopy page from the report entitled "Department of Health and Social Services Village Health Clinic Information Overview 01/10/94" was compared to the Access file provided to GeoNorth, some of the data did not match. For example: Chuathbaluk and Circle. It appears there had been revisions made to the 1994 database yet Arnold Leibelt stated he was not aware of any revisions made to the database.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Department of Transportation, FAA Regional Airport Plan

External Data Resource	FAA Regional Airport Plan
Contact Name	Barbara Johnson, Manager Planning & Program Branch (primary); John Lovett (secondary)
Contact Number	271-5459
Contact Address	Airports Division - Alaska Region, Federal Aviation Administration, 222 W. 7 th Avenue, Anchorage, AK
URL	On-line information: FAA Regional Airport Plan FAA Alaska Airport Information http://www.alaska.faa.gov.airports/
Database format	Html spreadsheet off the Internet site.
Type of Link to APCD (Static vs. Dynamic)	Static – from CD ROM (or from Internet site)
Data of Data	August 1999
Next Data Update per Contact	Annually, August 2000

ACTIONS TAKEN TO OBTAIN DATA:

1. GeoNorth extracted the following fields from the Appendix J, for Commercial Service Airports, of the FAA Regional Airport Plan:
 - a. Runway (designation)
 - b. Length (feet)
 - c. Surface (various abbreviations)
 - d. Precision Approach System for Primary Runway (y/n)
 - e. Approach Light System for Primary Runway (y/n)
 - f. Taxiway Lighting and Sign System (y/n)
 - g. Runway Edge Lighting and Marking (y/n)
2. Since Appendix J is only for Commercial Service Airports, if a community is not on this list then the entry was, “no commercial service airport.”

UNIQUE CONSIDERATIONS / CONCERNS:

None.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE (APCD)

Emergency Medical Services (EMS)

External Data Resource	Emergency Medical Services (Community Index) from the "Alaska EMS Goals" document dated February 1996.
Contact Name	Matt Anderson (State EMS) - Primary
Contact Number(s)	907-465-3141
Contact Email	Matt_Anderson@health.state.ak.us
Database Format	Dbase 4 on Novell Network and Excel
Database Size	2 mg
EMS Data Date	February 1996 (Population estimates from 1998. The APCD will not utilize the EMS Population data.)
Next EMS Data Update per Contact	Possibly 2001
Type of Link (Static vs. Dynamic)	Static

The EMS data fields and legends were taken from the Alaska EMS Goals "A Guide For Developing Alaska's Emergency Medical Services System" document. This document may be found on the web at http://www.hss.state.ak.us/dph/ems/ems_down.htm; however, the Section 800 Community Index was never put into electronic format. Matt Anderson paid to have someone translate the document and put on the web, but did not have enough funding for the Community Index.

ACTIONS TAKEN TO OBTAIN DATA:

1. NANA/DOWL instructed GeoNorth to obtain the following EMS data fields:
 - Community
 - Region/Sub-Area (EMS Region)
 - Level (EMS Community Levels of Care – Table 822)
 - Access
 - Seasonal Impacts
 - Providers
2. Matt Anderson provided GeoNorth with the following data fields in Excel format:
 - Community
 - Region/Sub-Area (EMS Region)
 - Level (EMS Community Levels of Care – Table 822)

GeoNorth manually entered the remaining data fields into an Excel spreadsheet since these fields existed only in hard copy format. "Access" and "Seasonal Impacts" required extensive data entry since there were 15 and 5 alternative choices, respectively, for each of 288 communities.

The 1996 EMS data had 23 communities, 14 of which were required by this project, listed under the category of "Communities Not On EMS List". Matt did not know why they were not included so provided GeoNorth with EMS rankings not found in the original 1996 EMS data. Please note there was limited or no EMS information for the following communities even after Matt's updated information:

- Lutak and Upper Kalskag have only Region/Sub-Area and Level data fields.
- There are no EMS data fields for Alatna, Andreafsky and Eklutna.

UNIQUE CONSIDERATIONS / CONCERNS:

1. GeoNorth provided Gary Kuhn, ANTHC, with an Excel file containing all of the EMS data used for the APCD. In turn, Gary was to forward this file on to Matt Anderson since Matt did not have all of the original data in electronic format. Hopefully Matt will use this new electronic file for future EMS Database updates.
2. Matt Anderson offered the following three caveats about the EMS data:
 - Data are updated continuously as courses are taught and new applications are received.
 - The "city" field in the database refers to the mailing address, which is not necessarily the community in which the person provides emergency medical care.
 - Mobile Intensive Care Paramedics are licensed by the Alaska State Medical Board through the Division of Occupational Licensing in the Department of Community and Economic Development. Consequently the EMS database contains no records regarding paramedics, except for those paramedics also certified as EMTs or as EMT Instructors. There are few paramedics working in very small communities but there are paramedics in Anchorage, Fairbanks, Kenai, Homer, Sitka, Juneau, Barrow, Kotzebue, Nome and communities of similar size.
3. The "Population" data field included in the EMS data was from 1998 Population Estimates and is not utilized in the APCD. The APCD population field is from the state's 1999 estimates.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Facility Needs Assessment Questionnaire (FNAQ)

External Data Resource	Alaska Primary Care Facilities Needs Assessment project's questionnaire mailed in March 2000.
Contact Name	Rick Boyce, ANTHC – Primary; Gary Kuhn, ANTHC - Secondary
Contact Number(s)	907-729-3601(Rick) or 907-729-3604 (Gary)
Contact Email	rboyce@anthc.org , gkuhn@anthc.org
Database format	SQL Server
Type of Link to APCD (Static vs. Dynamic)	Static as of May 22, 2000
Next FNAQ Data Update per Contact	Questionnaires were accepted until September 1, 2000. Unknown when or if the questionnaire data will be updated.

The project's Steering Committee worked collaboratively to produce the thorough 26-page questionnaire. The communities' responses were entered into the APCD database for canned reports, such as the dollar amount for the Unmet Need, and data extracts for ad hoc reporting.

ACTIONS TAKEN TO OBTAIN DATA:

1. Questionnaire data was originally due by April 25, 2000; however, the Steering Committee later agreed to accepting questionnaires up until September 1, 2000.
2. FNAQ responses were submitted either electronically via the project web site, <http://ruralhealthcare.geonorth.com>, or by hard copy. Hardcopy questionnaires were manually entered using the web site's electronic format. Approximately 25 questionnaires were originally entered electronically with the majority being submitted in hard copy format. Due to the complexity and length of the questionnaire, the average time to manually input the questionnaire hard copy responses required approximately 45 minutes each.
3. The APCD data was frozen on June 23, 2000 to produce the Unmet Need in accordance with the algorithms created by NANA/DOWL. A separate copy of this "frozen" database was turned over to the Client in order to respond to any future questions regarding how the Unmet Need dollar amount was determined.

UNIQUE CONSIDERATIONS / CONCERNS:

None.

UNIQUE CONSIDERATIONS / CONCERNS:

1. Adam Scully gave GeoNorth Paula Poncho's user name and password to access the IHS Facilities database. If Paula changes her password the APCD Administrator will be locked out of their database; therefore, it is recommended that the APCD Administrator contact Adam Scully to confirm the user name and password to use for future APCD updates.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Indian Health Service (IHS) Facilities Database

External Data Resource	IHS Facilities Database; 3 data fields from IHS Data System ¹
Contact Name	Adam Scully – Primary, Sunny Lee - Secondary
Contact Number(s)	301-443-3121 in Rockville, MD
Contact Email	ASCULLY@HQE.IHS.GOV
Database format	Access
Type of Link to APCD (Static vs. Dynamic)	Static as of May 26, 2000
Next IHS Facilities Data Update per Contact	Updated daily by field personnel as there are 120+ end users.

¹Contact for the IHS Data System is Russ Pitman in Albuquerque, NM at 505-248-4191.

The IHS Facilities Database resides with Adam Scully whereas the IHS Data System is the much larger data system for the entire Indian Health Service. The following three data fields within IHS Facilities Database are dynamically linked into the larger IHS Data System; however, for the APCD a snapshot (static) of the data fields were downloaded on May 26, 2000.

b_bls_ar	Link to HQW statistical data (Area code, text 2)
b_bls_su	Link to HQW statistical data (Service Unit Code, text 2)
b_bls_fa	Link to HQW statistical data (Facilities code, text 2)

ACTIONS TAKEN TO OBTAIN DATA:

1. NANA/DOWL forwarded the attached list of data fields to place in the APCD.
2. GeoNorth obtained the data on May 26, 2000 using Paula Poncho's user name and password (See #1 below).
3. There were seven data fields that could not be found from the Client's list. Five data fields remain "not found" and two were replaced with similar or possibly renamed data fields. The seven data fields are as follows:

• b_bls.det_desc	The closest found was rp_det_desc which was pulled across.
• b_bls.funds_mgr_name	No match, but did load m_i_funds_mgr and
• equip_funds_mgr	
• lessor	Not found
• lease_type	Not found
• base_rent	Not found
• defic_desc	Not found
• budget_date	Not found

UNIQUE CONSIDERATIONS / CONCERNS:

1. Adam Scully gave GeoNorth Paula Poncho's user name and password to access the IHS Facilities database. If Paula changes her password the APCD Administrator will be locked out of their database; therefore, it is recommended that the APCD Administrator contact Adam Scully to confirm the user name and password to use for future APCD updates.

EXTERNAL DATA RESOURCE for the ALASKA PRIMARY CARE DATABASE

Public Health Nurse (PHN) Survey Database

External Data Resource	Public Health Nurse Survey Database
Contact Name and Number	Nancy Davis 465-3150 Lark Hackney, Manager 562-9577 (desk) Of Programmers 729-2688 (staff) Mark Beaudin, Programmer 729-2688
URL	Not available online.
Database format	MS Access
Type of Link to APCD (Static vs. Dynamic)	Static – from CD ROM
Date of Data	1999 and 2000 *
Next Data Update per Contact	Annually, 2000

* The 2000 data is incomplete as of October, 2000; therefore, the APCD contains both 1999 and 2000 data. The communities that have submitted responses to the PHN survey for 2000 have been included in the APCD data, and those communities that have not responded to the 2000 survey have 1999 data representing their community.

ACTIONS TAKEN TO OBTAIN DATA:

1. GeoNorth received a CD ROM in August, 2000 from Jay Farmwald, NANA/DOWL, who in turn received the CD from an individual in the ANTHC building. It is believed that person works for the PHN program there in the ANTHC building. (Check with Nancy Davis, see above table.)
2. This is an annual update of a community survey, very general in nature, of health services in rural communities. What makes this survey unique is that it contains survey data for those very small communities that generally fall below the minimum criteria for routine rural Alaska surveys. The PHN program shares this information with the Department of Labor demographers.

UNIQUE CONSIDERATIONS / CONCERNS:

None.

APPENDIX D.1

GIS INSTALLATION

MapOptix 2.0.5 Setup Guide



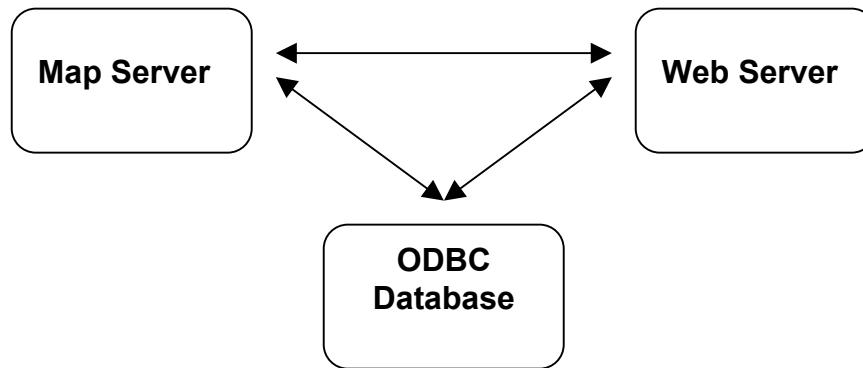
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Part I. MapOptix 2.0.5 Planning and System Requirements

A. Planning Your MapOptix System Implementation

MapOptix Architecture:



To understand how to Install MapOptix, its important to understand the MapOptix architecture. Below is the MapOptix architecture as described in the MapOptix Help File.

MapOptix™ is designed to be flexible and efficient. The MapOptix software can be configured to run on one or two machines. The logical separation is the "MapOptix Web Server" and the "MapOptix Map Server". These can run on the same machine or on separate machines.¹

The MapOptix Web Server is the component of MapOptix that is accessible from a client's Web browser. The MapOptix Map Server is the component of MapOptix that accesses the spatial data and processes all map-related operations (e.g. Map rendering, spatial queries, etc.)

Both the MapOptix Web Server and MapOptix Map Server must be able to access a shared settings database. This database can be a database software service running on a machine that is accessible by the machines on which the MapOptix Servers are installed. It can also be an MS-Access file that is accessible by both machines through file sharing services.

For running MapOptix on the Internet (as opposed to a private network,) it is sometimes desirable to have an Internet Firewall between the MapOptix Web Server and the MapOptix Database Server. This may complicate MapOptix and network configurations. Often a network accessible database is used on the "inside" of the firewall, and access from the MapOptix Web Server machine to both the shared database server and the MapOptix Map Server TCP sockets are allowed through the firewall. The Map Server TCP sockets are set in the Map Settings dialog box in the MapOptix Map Server application. For more information on TCP (Transmission Control Protocol) sockets or your Firewall configuration, please consult your system or network administrator(s).

¹ Reference to MapOptix Servers is not the same as the reference to a typical Web Server or Database Server. Web and Database Servers are software services. The reference to MapOptix Servers is also not the same as the reference to an operating system (like NT Server) or a physical machine. MapOptix Servers are simply software applications, not software services or any other kind of "server".

Design Questions:

With MapOptix, you have several configuration options. Before you run the installation program, you should answer these design questions:

- ✓ Do you want to store MapOptix settings in the default MS-Access databases included in MapOptix, or do you want to use another database?
- ✓ Do you want to use the included MapOptix Access database, or use your own database server?
- ✓ Do you want to run the MapOptix Web Server on your public web server, your internal web server, or on a different machine?
- ✓ If you are going to run the MapOptix Map Server and from the MapOptix Web Server on different machines, will they reside on the same network or different networks?
- ✓ If there is a firewall between the MapOptix Web Server and MapOptix Map Server, can it be configured so the MapOptix servers can communicate with each other?
- ✓ If you are using SDE, what machine/port is SDE running on? Is your MapOptix map server's network settings configured appropriately to connect to SDE?
- ✓ Once you have determined the location of the MapOptix components and their destination machines, what IP addresses will they have?
- ✓ What do you want your MapOptix URL to be? This will determine where you install MapOptix on your web server.
- ✓ What do you want to name your MapOptix Application?

Note: For more information about using a custom settings database, refer to the "Customizing MapOptix FAQ" in the online help system.

B. Hardware, System, and Software Requirements

The Hardware requirements for MapOptix are detailed below (from the MapOptix Help file:)

Hardware:

The minimum recommended hardware configuration is two physical servers. In this case, the Web, Cold Fusion, and Database server would reside on one machine while the Map Server would be installed on the other. While the CPU speed is important (GeoNorth Recommends a 200mHz or better) its RAM which is the most important component of the server. It is particularly important for the Map Server when it is running. The Map Server loads its layers and all related settings into memory. This can consume large amounts of memory and virtual memory. 128 MB RAM or more per server machine is recommended.

System and Application Software:

Windows NT 4.0 (service pack 4 or higher) or Windows 98.

Microsoft Internet Information Server (IIS) 4.0+. Personal Web Server (PWS) for Windows 98 can also be used. MapOptix has not been tested with Netscape server.

ESRI's MapObjects™ Internet Map Server (IMS) version 2.0. MapOptix will not function with earlier revisions of the IMS software. If this upgrade is necessary, it must be performed before installing the MapOptix components.

ColdFusion 3.1+ on your Web server machine (GeoNorth recommends Cold Fusion 4.0). ColdFusion enables access to the MapOptix™ map server and related databases. For information on installing ColdFusion, please consult your ColdFusion manual.

An accessible ODBC Database (Microsoft Access, Microsoft SQL Server 7.0, Oracle). "Accessible database" means a database that is accessible from both the MapOptix Map Server and MapOptix Web Server machines.²

Microsoft Internet Explorer (IE) 4.x and 5.x on Microsoft Windows 9x/NT. Netscape Browsers also work, but they do not support certain functionality.

The MapOptix CD contains Evaluation copies of both Cold Fusion 4.0.1 and MapObjects Internet Map Server 2.0. They are under the cfusion4 and moims20 subdirectories respectively.

² MS-Access and Microsoft SQL Server 7.0 were tested with this version. Software and support information for more databases, (e.g. Sybase Adaptive Server, Sybase SQL Anywhere, Oracle) GeoNorth will provide in the near future.

C. MapOptix Install Readiness Checklist

Data

- ☐ Vector data is either ESRI Shapefiles, Arc/Info Coverages, or SDE layers.
- ☐ Raster data is one of the following formats (TIF, BMP, ERDAS, BIL, BIP, BSQ, IMPELL RLC, and Sun rasterfiles),
- ☐ If using Shapefiles - make sure data is spatially indexed.
- ☐ Data is properly projected. (MapOptix does not support LAT/LONG data.)
- ☐ Map units are exclusively in feet or meters.
- ☐ If you are using a router or firewall to separate your web server from your map server, consult your network administrator to ensure your Web Server and map server can communicate with each other.

Requirements for optional tabular data

- ☐ Tabular data is in a standard ODBC-compliant database.
- ☐ If using separate Map server and Web server machines and a file-based database (e.g. Access, dbase) for either the MapOptix settings databases or any tabular attributes, be sure that Cold Fusion or the Map Server can access this data. For example, in NT, if Cold Fusion is running as "LocalSystem", it cannot access ODBC data sources that reference files on other machines.
- ☐ System DSNs for tabular data are set-up on the **Web Server**, and the ODBC connections have been verified.
- ☐ Views have been created for tables that require JOINS and/or tables with non standard column names (i.e. names contain spaces, special characters, etc.).

Software

- ☐ Personal Web Server or IIS 4.0 or later has been installed and tested.
- ☐ ColdFusion 3.1 or later has been installed and tested. Note: Cold Fusion sometimes does not register its file extensions with Internet Information Server 4.0. The best way to test for this is to open up the Cold Fusion Administrator and log in.
- ☐ MapObjects IMS 2.0 has been installed on the machine(s) running the web server and map server.
- ☐ If installing on NT 4.0, the latest NT Service Pack should be installed.

Network

- ☐ Map server machine has file access to spatial data.
- ☐ Map server machine has file access to file based MapOptix configuration database.
- ☐ Map server machine has HTTP (port 80) access to web server.
- ☐ Web server machine has file access to metadata (if available).
- ☐ Web server machine has TCP access to map server on at least one available port (default: 6000).
- ☐ End-user machines have HTTP access to web server.
- ☐ **Note:** If the Map and Web servers are on **different networks**, please contact your network administrator and GeoNorth for special instructions. Firewall software such as Network Address Translation (NAT,) Socks, and packet filtering may need to be taken into account.

Hardware

- ☐ Server machine(s) are Pentium 200mhz or better.
- ☐ Server machine(s) have 64mb of RAM or more. 128MB of RAM is recommended if more than 10 layers will be used on the map server or if more than one map server will be used.

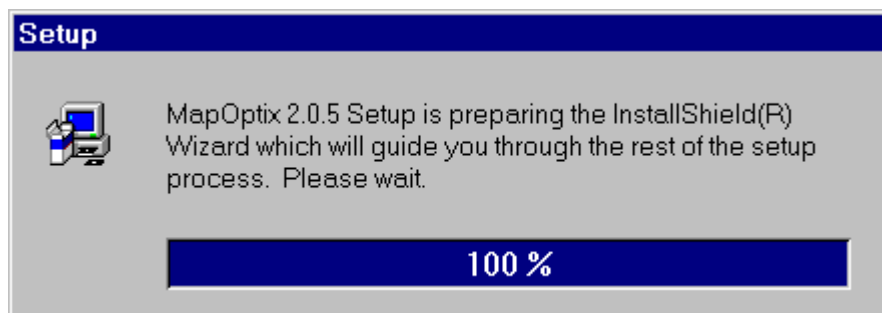
Part II. MapOptix 2.0.5 Installation Notes

Attached are the steps required to properly install MapOptix 2.0.5. Please review this procedure before installing MapOptix. It is important to determine what machines will run which components of MapOptix. MapOptix will not install without the proper supporting software, and may not perform well without sufficient hardware

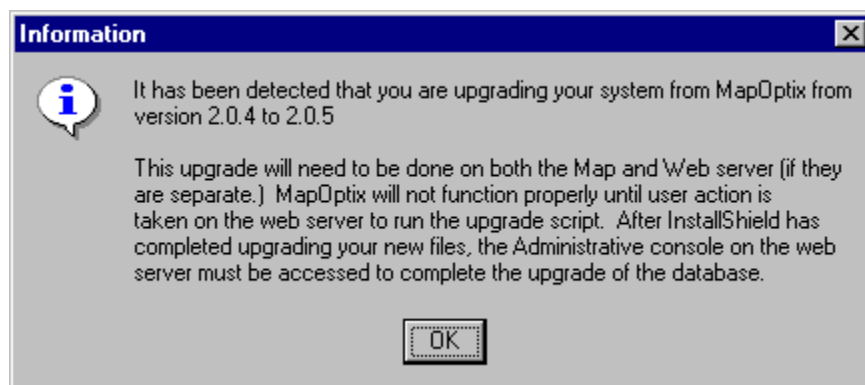
A. Installing MapOptix

Once you have installed NT OS, MOIMS, Cold Fusion, and IIS, run the **Setup.exe** program from the MapOptix Install directory of the MapOptix CD. Follow the instructions carefully; you will be required to enter in configuration information about your server's configuration. If you do not follow these steps, MapOptix may not install properly and will not work.

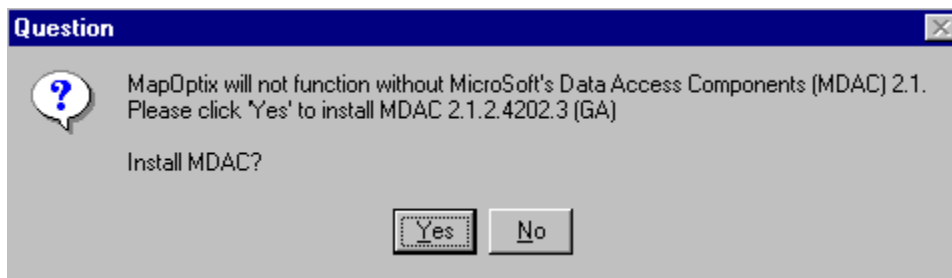
When the installation is first run, the following graphic and status window will appear:



If you are upgrading from MapOptix version 2.0.4, the following message will appear below:



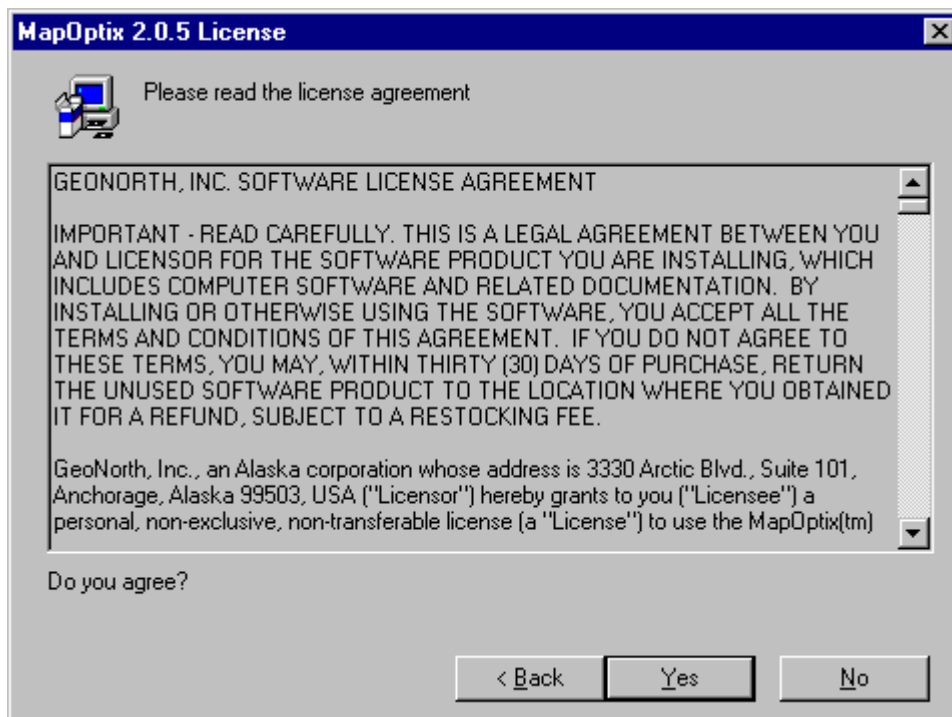
MapOptix requires that the Microsoft Data Access Components (MDAC) be installed. The version of MDAC that MapOptix requires is MDAC 2.1.2.4202.3 (GA). If a more recent version of MDAC has been installed, the Installation will continue to the next screen. Otherwise, this message box will appear:



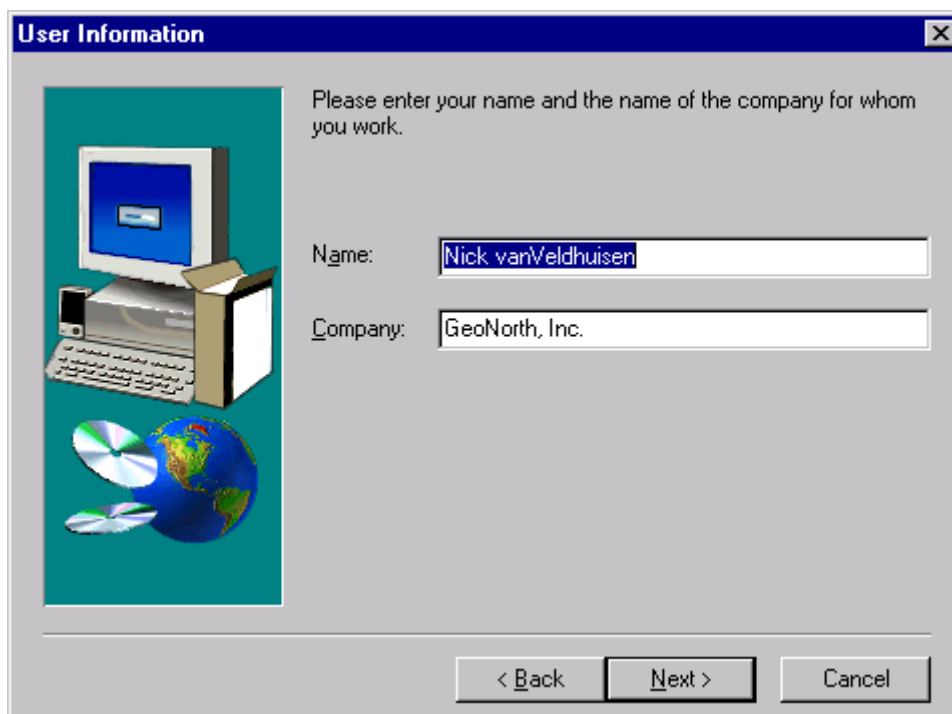
Unless the "Yes" form button is selected, the installation will not continue. Once MDAC has been installed, the MapOptix installation will continue with the Welcome screen shown below.



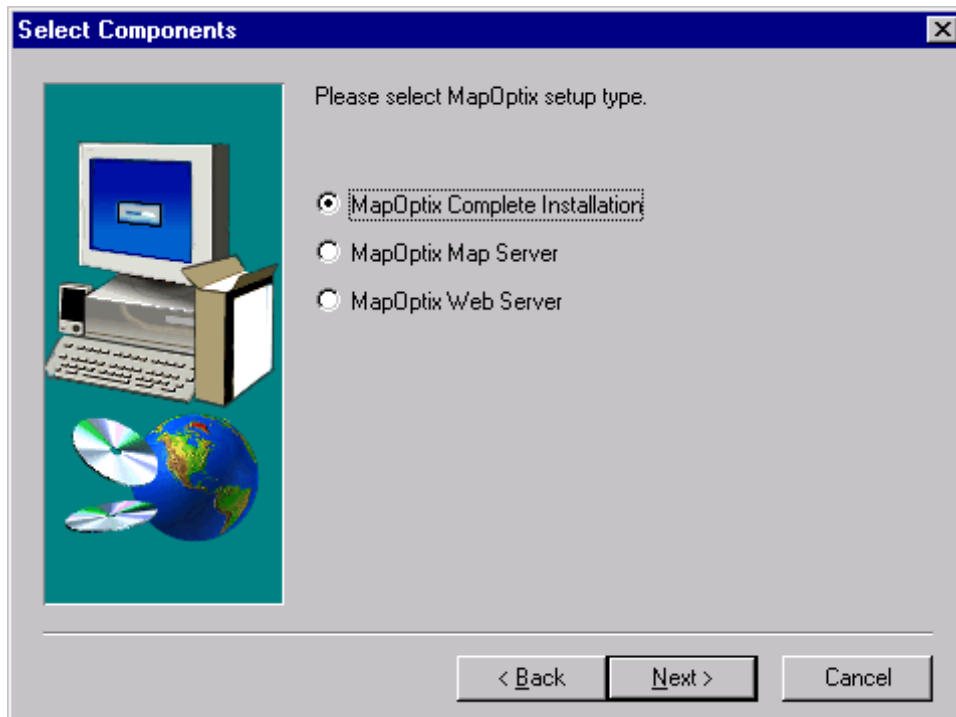
The next dialog box will contain the MapOptix license agreement. Please read it carefully and, if you accept the agreement, click the "Yes" button.



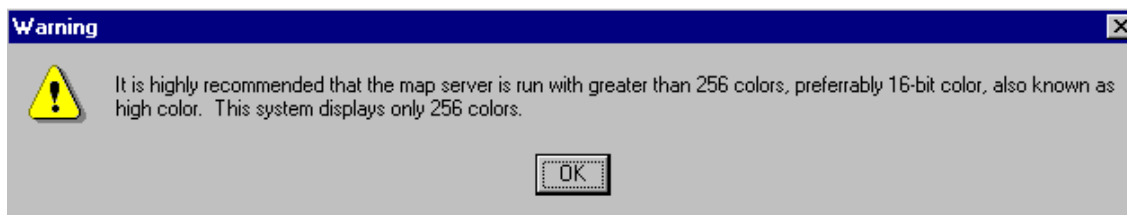
Once the license agreement is accepted, the MapOptix installation program will ask for your name and company information.



Next you will see a dialog box to specify the type of MapOptix installation you want.



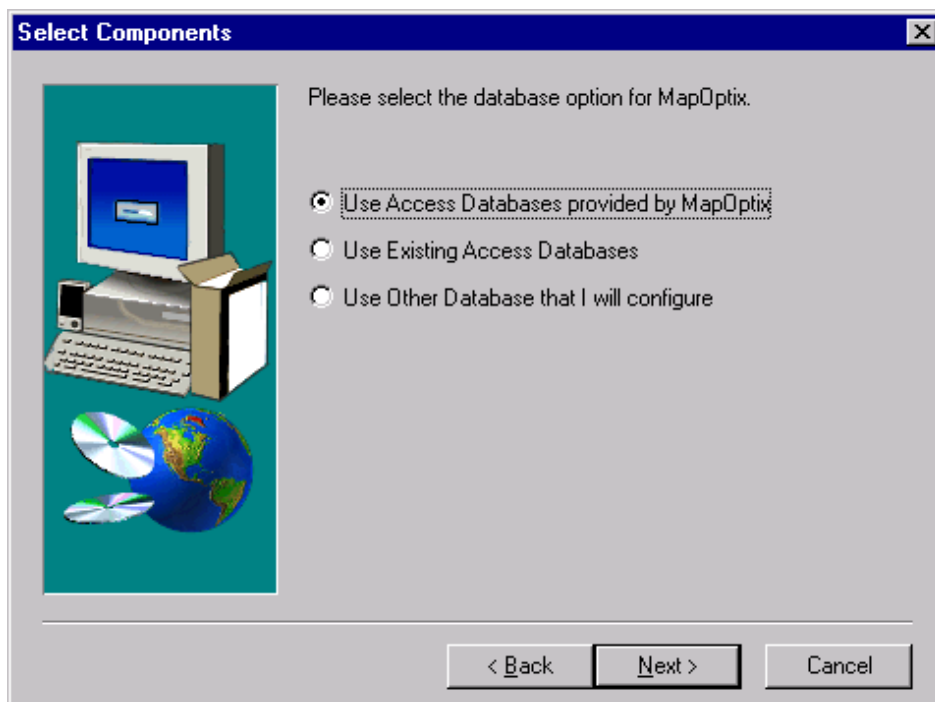
If the Complete Installation or Map Server setup type is selected, but the display resolution of the machine is 256 color or less, the following dialog box will appear.



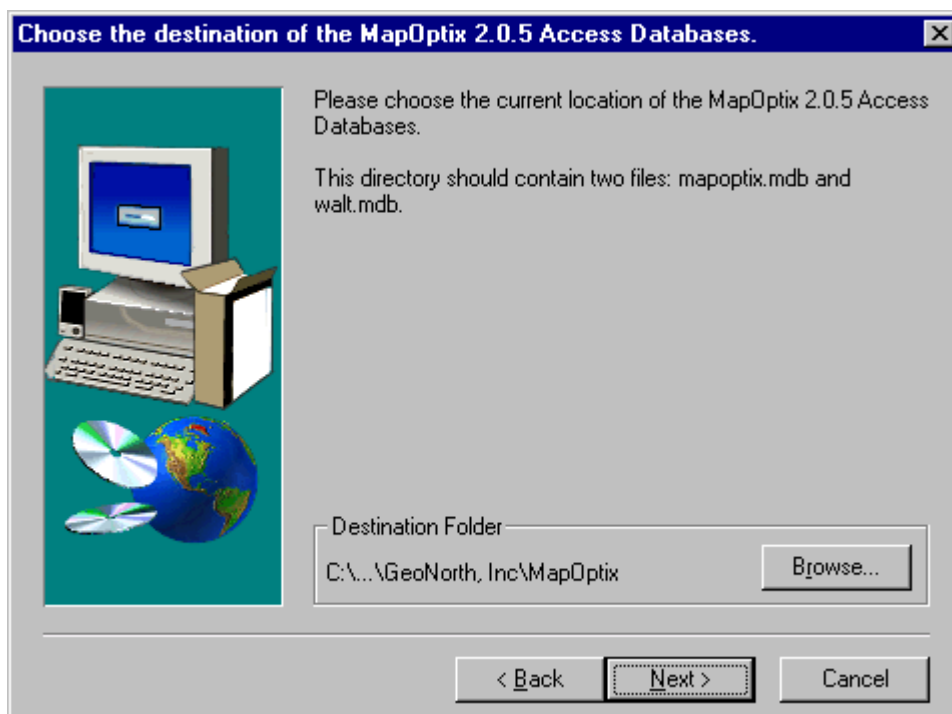
The next dialog box is to specify the settings database type. This dialog box appears for all setup types.

MapOptix provides two MS-Access settings databases. These databases (or the equivalent data model on another database platform) are required to run MapOptix. Connection to these databases using ODBC is required from both the Web Server and the Map Server. If you use the Access databases (recommended), and the Map and Web Server installations are on separate machines, then the path to the settings database files reside must be accessible as a Windows share.

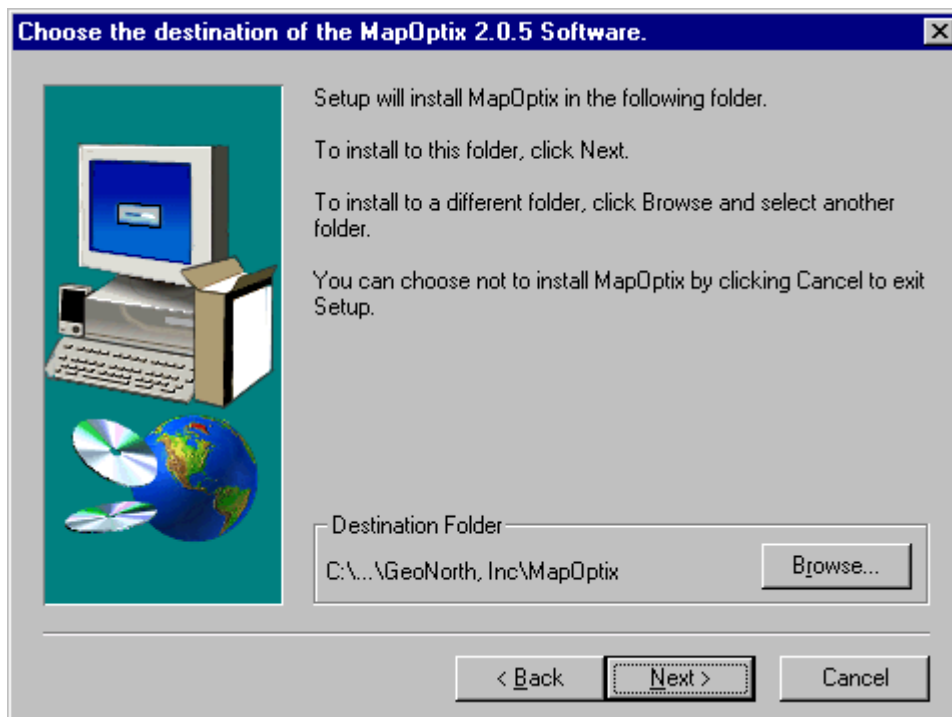
Note: *If you choose to use another database, be sure to add the proper “mapoptix” and “walt” ODBC entries, and to transfer the database definitions from the provided Access databases. For your convenience, we will provide Data Definition Language (DDL) for each database we support. As of the release of these installation notes, Microsoft SQL Server 7.0 is the only databases other than MS-Access that has been tested as a settings database with MapOptix. Future support is intended for Sybase SQL Anywhere, Sybase SQL Server, and Oracle.*



If you choose to use the Microsoft Access database provided with MapOptix or to use existing Access databases, the following dialog box will be displayed. If you choose to use another database, this dialog box will not appear.



The next dialog box displayed is to select the destination of the MapOptix 2.0.5 software. This directory will contain the MapOptix help file and other software required by the selected setup type.



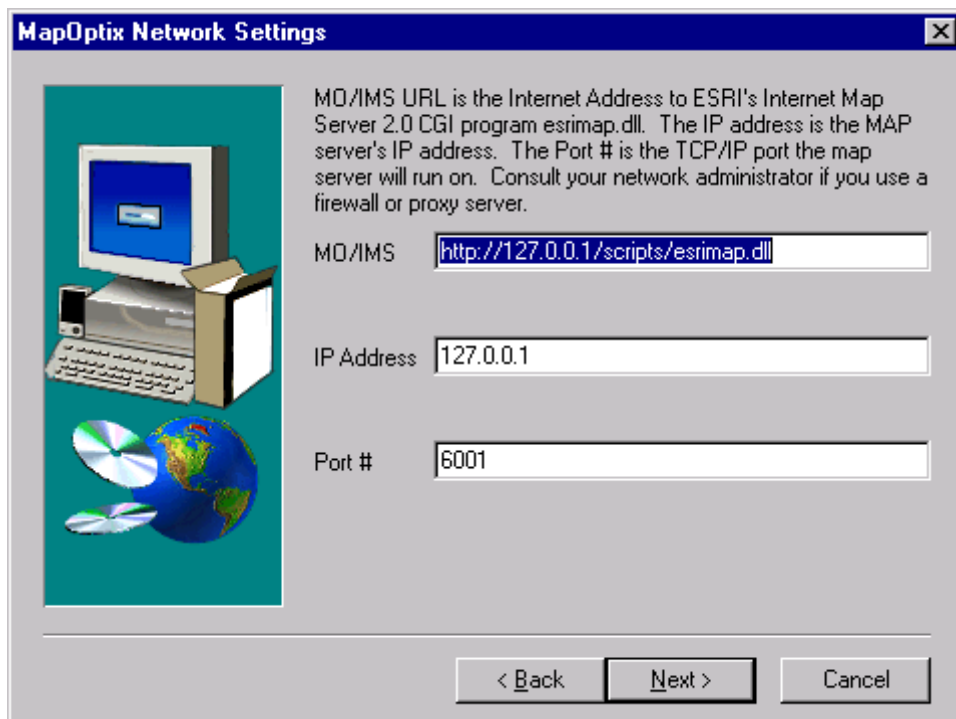
If the Map Server or Complete Installation setup type was selected, the next dialog box will be for the MapOptix Network Settings. The three fields are:

MO/IMS – This is the web address of the ESRI MO/IMS 2.0 `esrimap.dll` utility located on the Map Server. The default selection is for the URL <http://127.0.0.1/scripts/esrimap.dll>.

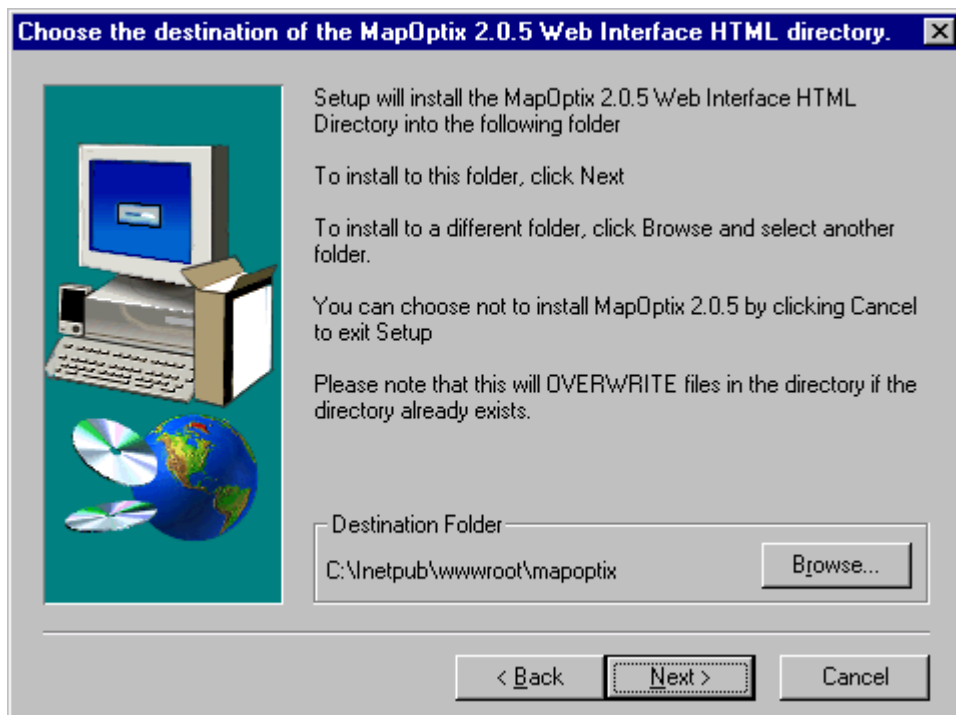
The 127.0.0.1 address should be replaced with the real IP address of the Map Server. This can be changed later through the MapOptix administrative interfaces if necessary.

IP Address – This is the IP address of the map server. Again, the 127.0.0.1 address should be replaced with the real IP address of the Map Server. This can be changed later through the MapOptix administrative interfaces if necessary.

PORT # - This is the TCP/IP port number or “socket” number that the MapOptix map server will run on. It is important to consult your network administrator if there is a firewall or proxy server between the map server and the web server. If they are the same machine, this may not be an issue. This can be changed later through the MapOptix administrative interfaces if necessary.



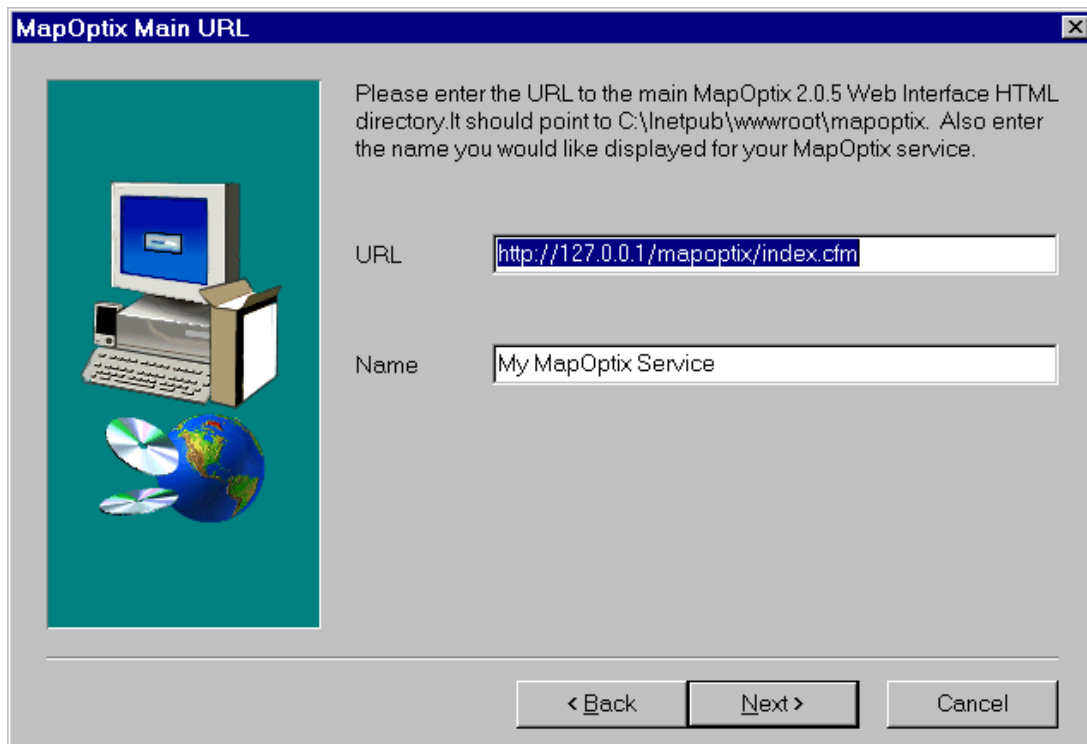
If you chose the Complete or Web Server Only Installation, you will be prompted with this next dialog box to select the destination folder of the MapOptix web interface. The default value is the IIS document root. Please select a subdirectory of the document root that is not currently in use. This directory will be populated with files and images that may conflict with any existing files on your web site.



If you chose the Complete or Web Server Only Installation, you will be prompted with this next dialog box for the MapOptix Network Settings. The two fields are:

URL – The web address of the main MapOptix interface. This is the same local directory as the web directory you specified in the previous dialog box, only you are now entering the web address for that same directory. For example, if the directory “mapoptix” was created underneath the document root, and the IP address of the machine is 10.0.8.5, then the web address would normally be <http://10.0.8.5/mapoptix/index.cfm>. This can be changed later through the MapOptix administrative interfaces if necessary.

Name – The name of the MapOptix service to be displayed in the mapping interface. This can be changed later through a custom tag parameter.

The image shows a Windows-style dialog box titled "MapOptix Main URL". On the left is a graphic of a computer monitor, keyboard, and a globe with a CD-ROM. On the right, there is instructional text: "Please enter the URL to the main MapOptix 2.0.5 Web Interface HTML directory. It should point to C:\inetpub\wwwroot\mapoptix. Also enter the name you would like displayed for your MapOptix service." Below this text are two input fields. The "URL" field contains the text "http://127.0.0.1/mapoptix/index.cfm". The "Name" field contains the text "My MapOptix Service". At the bottom of the dialog are three buttons: "< Back", "Next >", and "Cancel".

MapOptix Main URL

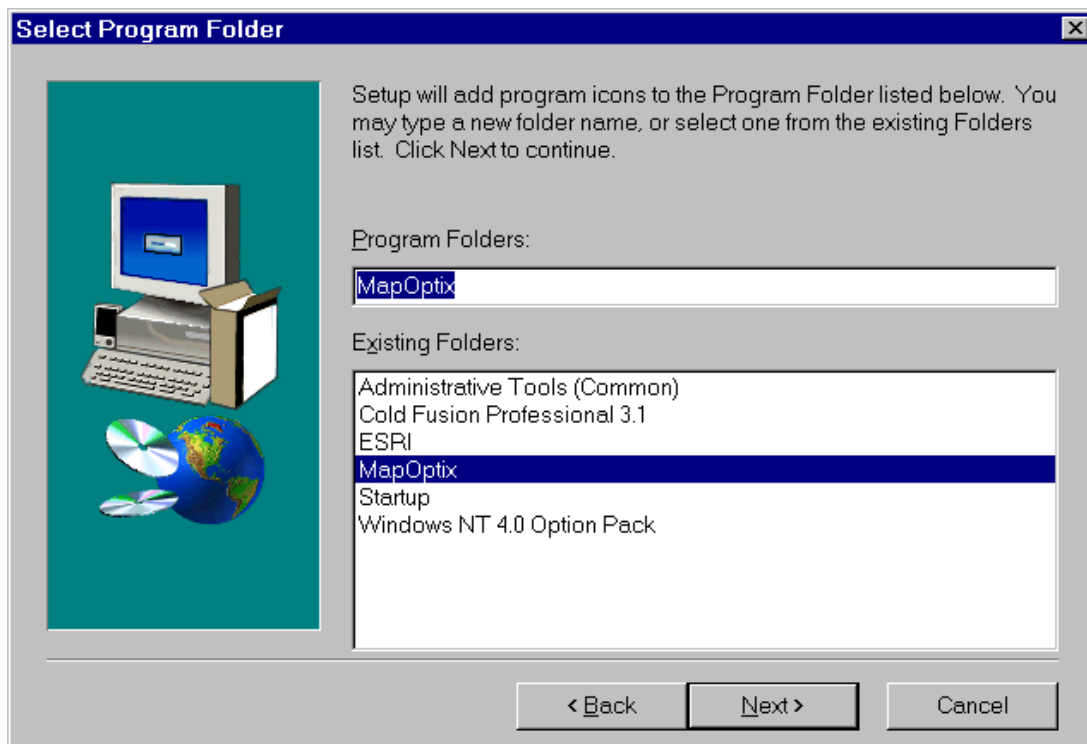
Please enter the URL to the main MapOptix 2.0.5 Web Interface HTML directory. It should point to C:\inetpub\wwwroot\mapoptix. Also enter the name you would like displayed for your MapOptix service.

URL

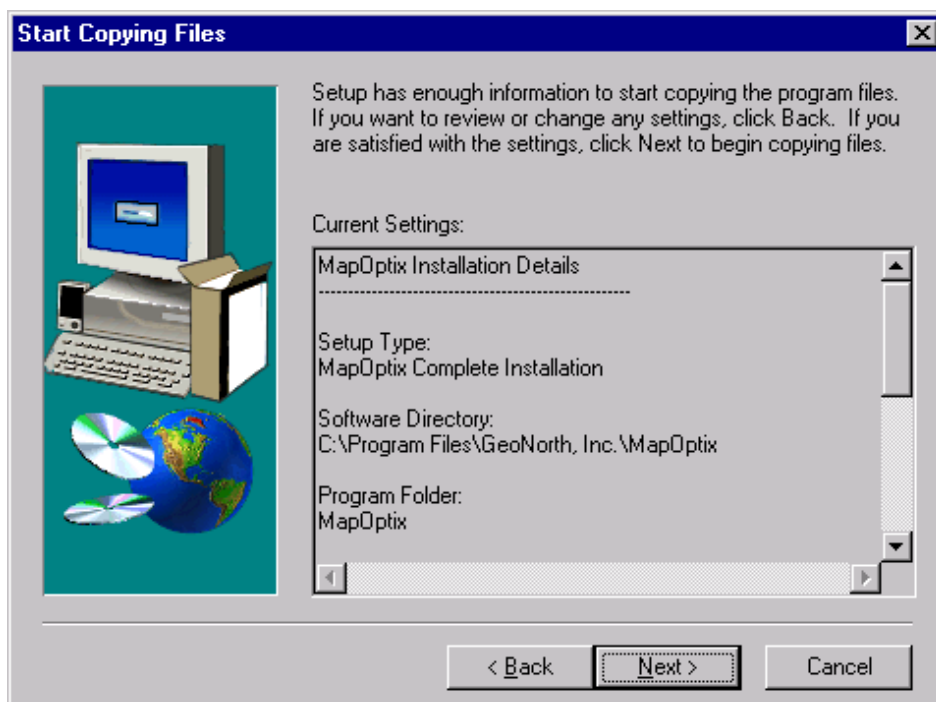
Name

< Back Next > Cancel

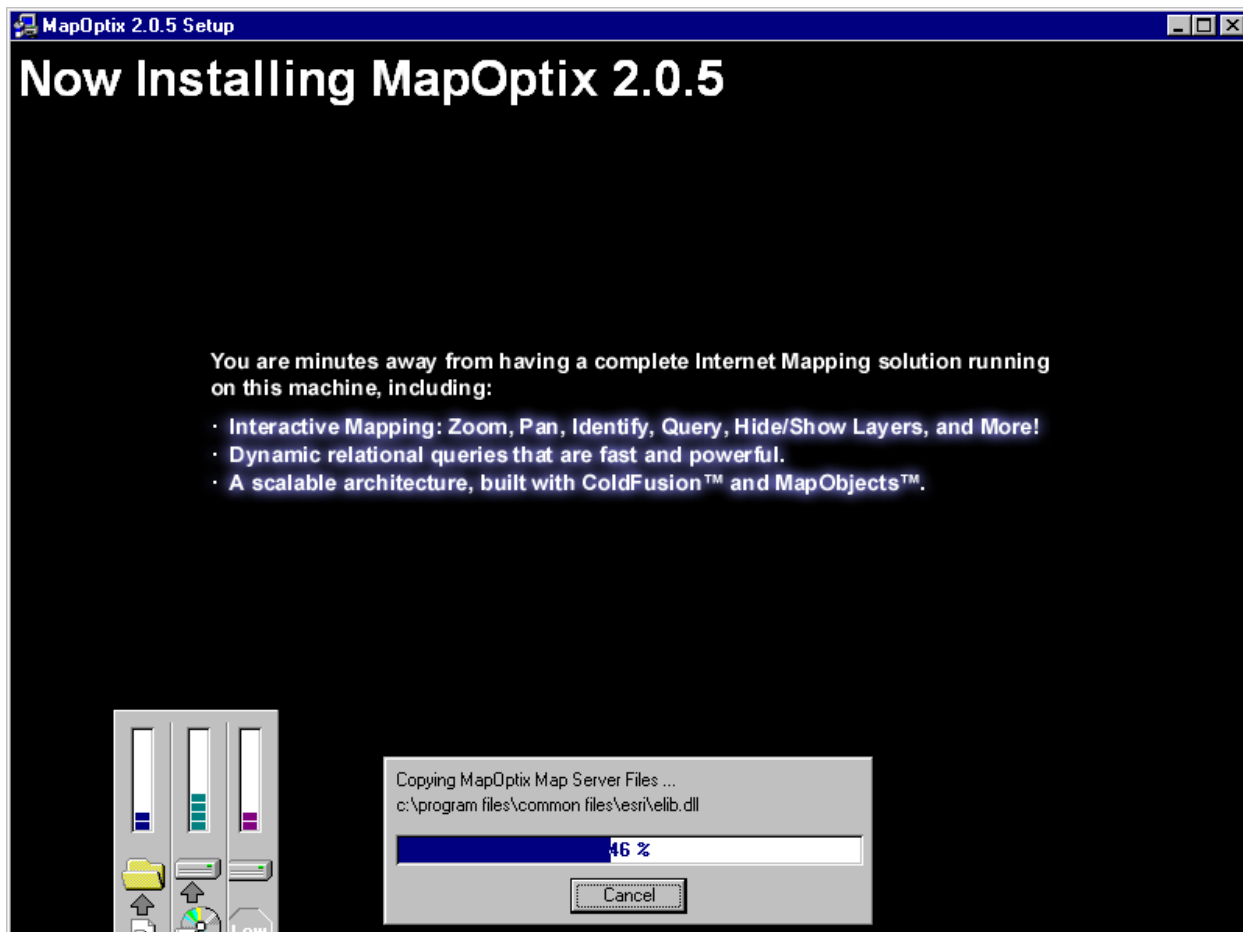
The next dialog box displays the name of the program folder to be assigned to MapOptix. This defaults to MapOptix.



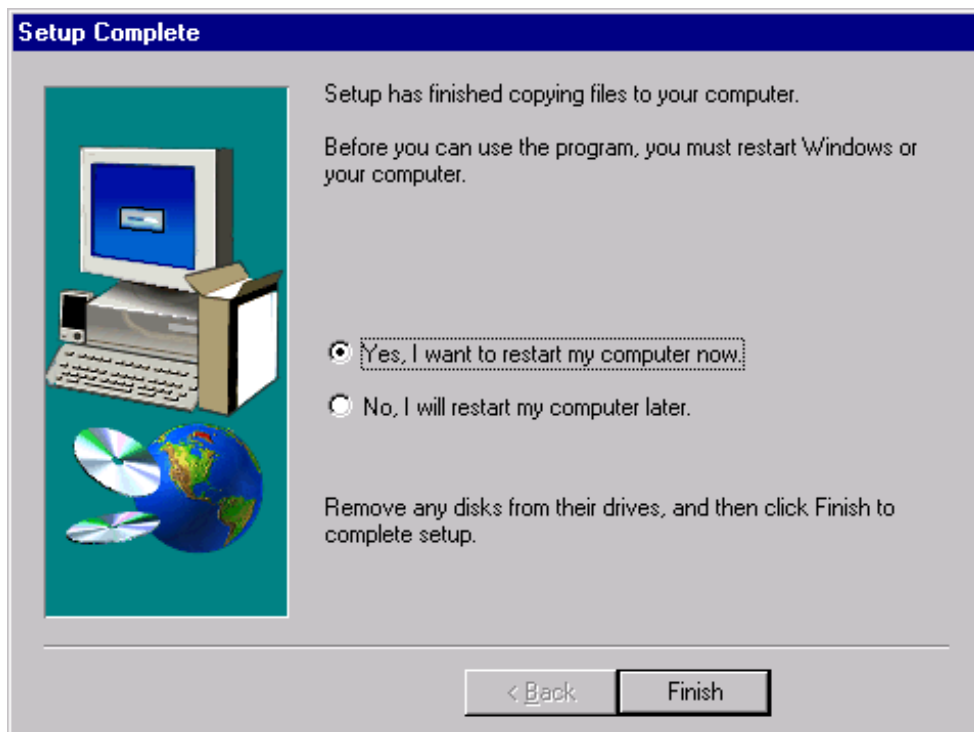
The next dialog summarizes the choices you have made. If you want to change any of these settings, you can use the “Back” button to go back and adjust your settings.



At this point MapOptix will begin installing its files, registering its libraries, and updating the registry. The installation should look like the image below.



Once MapOptix has completed its installation (if there were no installation errors due to special exceptions) then the following dialog will ask you to reboot. We highly recommend you choose to reboot your machine before continuing to use MapOptix or any other applications on your computer.



After rebooting, you may see some messages like “Configuring Data Access” if you installed MDAC. This is normal. Wait for these processes to finish.

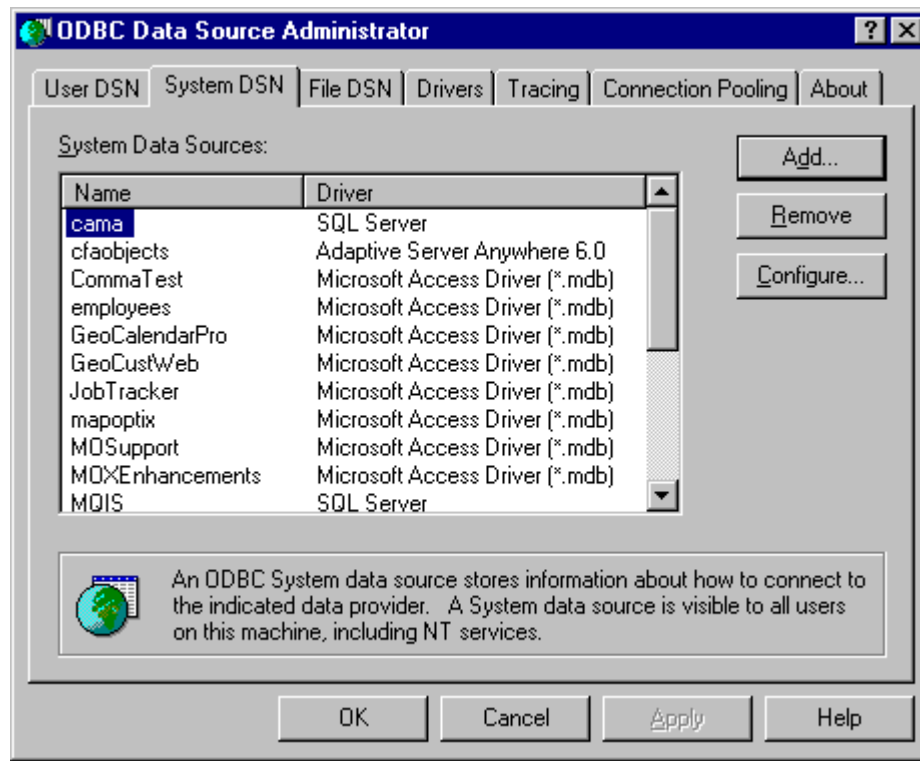
This marks the end of the Installation

Part III. MapOptix 2.0.5 Quick Start Guide

A. Post-Installation Settings Database Steps

NOTE: This section is for Upgrades and MapOptix Non-Access database

1. Create a System DSN
(For New Installation Non-Access Settings Databases Only)



You will need to create a system DSN for each of your new databases.

- a. Open up your "Control Panel" double click on the "ODBC Data Sources" icon.
- b. Click on the "System DSN" tab, and then click on the "Add" button.
- c. Choose the database type that you are using and follow the onscreen instructions for setting up a DSN for that type.
- d. Name the Mapoptix database DSN "Mapoptix" and name the Walt database DSN "Walt". This will ensure that the MapOptix application will be able to find and use these DSN's.

2. Run MapOptix Database Upgrade/Creation Utility (For Upgrades or Non-Access Settings Databases Only)

You should read this section if:

1. You have chosen to use a Non-MS-Access database to store your MapOptix settings.³
2. You have upgraded from MapOptix version 2.0.4 and chosen to "Use Existing Access Databases" during the installation.

You can skip this section if:

1. You chose "Use Access Databases provided by MapOptix" during the installation
2. You are not upgrading from MapOptix 2.0.4

If you are upgrading from MapOptix version 2.0.4 or have chosen not to use MS-Access as your settings database, there is one intermediate step you must perform. This is the upgrade or creation of your MapOptix database. To do this, go to the MapOptix Web Server login page.

Note: Use the Localhost or 127.0.01 IP address to reach the login page. The upgrade process must be done locally on the web server.

The screenshot shows a web browser window titled "Q:\MapOptix\MapOptix 204 Pre-Release\Installation Notes\upgrade2.htm - Microsoft Internet Explorer". The address bar shows the local file path. The page content is titled "MapOptix Database Upgrade/Creation Utility". It includes a welcome message and an important note about ODBC entries. The main form, titled "Required Information:", has three sections: "Please select the MapOptix datasource(s) to update:" with a list box containing "CF 3.0 Examples", "Coffee Valley", "mapoptix" (selected), "MOIS", and "walt"; "Please select the WALT datasource(s) to update:" with a list box containing "CF 3.0 Examples", "Coffee Valley", "mapoptix", "MOIS", and "walt" (selected); and "Please select the database type:" with a dropdown menu set to "access". At the bottom are two buttons: "Run DDL" and "Do Not Upgrade Database". The status bar at the bottom indicates "Local intranet zone".

³ for either a new installation or upgrade

If you are installing MapOptix 2.0.5 for the first time and chose to use another database besides MS-Access, or you have upgraded and chosen the "Use Other Database that I will configure" the option, you will be prompted to complete a form to configure your settings database. With the release of MapOptix 2.0.5, only Microsoft SQL Server 7.0 is supported. However, a patch will be released to support more databases, including Sybase and Oracle database products.

The two select boxes for the MapOptix and WALT data sources are straight out of your ODBC system Data Source Names (DSNs). If you are currently using MapOptix 2.0.4 with Access, select the current data source names. If you are creating a Microsoft SQL Server 7.0 database, you must configure the mapoptix and walt data source names. Please note that in Microsoft SQL Server 7.0, these data sources must be in separate databases for MapOptix to install due to conflicting table names. Other databases such as Oracle and Sybase will typically separate identically named tables based on login.

Note for Multiple Databases: *In the case that you desire to create another database, please note that this can be accomplished by editing a Cold Fusion template. It is the template located in your CustomTags directory under the mapoptix subdirectory. It is named mapoptix_upgrade.cfm. A typical MapOptix installation that is complete will have the following values in this file:*

```
<CFSET upgrade_mapoptix_version="2.0.5">
<CFSET cur_mapoptix_version="2.0.5">
```

No other commands should ever exist in this file.

If you desire to upgrade another access database, you can change the cur_mapoptix_version to "2.0.4". If you desire to create another non-Access database, you can change the cur_mapoptix_version to "". These actions will cause the main MapOptix web interface to default to the form shown above. Do not edit this file unless you are prepared to re-upgrade or re-create a MapOptix database.

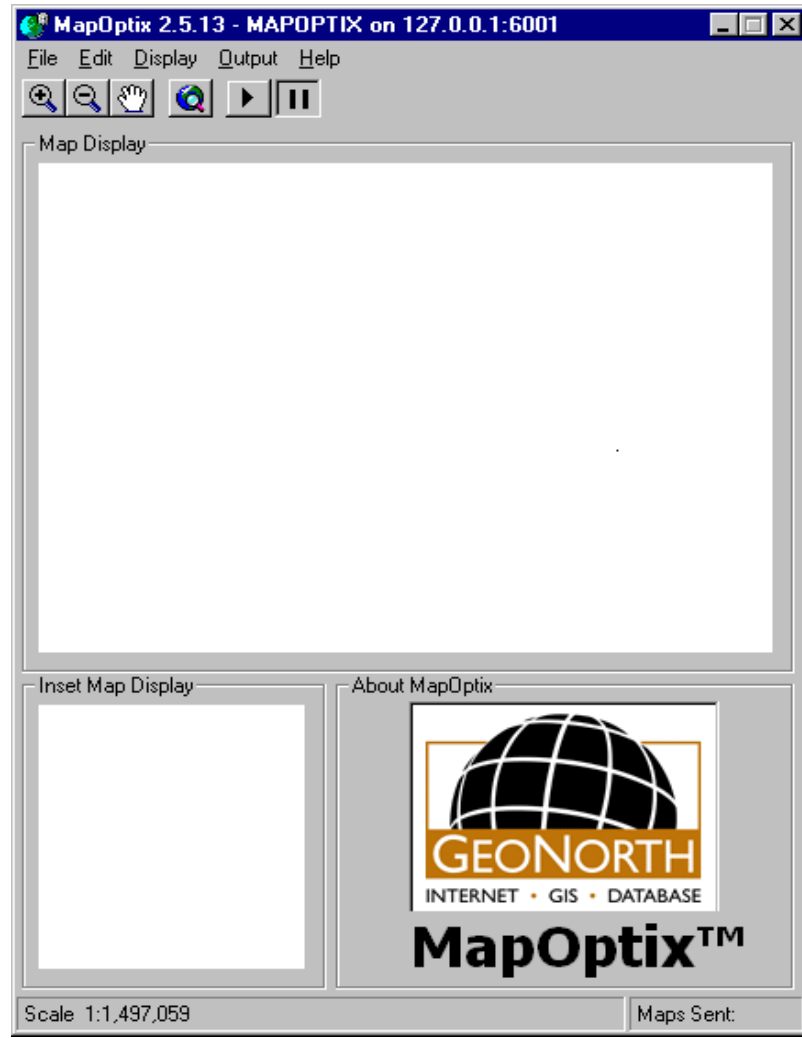
In the case that you do not want MapOptix to create your Non-access database through Cold Fusion, you can run the Data Definition Language (DDL) directly into your database's Structured Query Language (SQL) interface. This is sometimes desired when the permissions for creating database tables are not granted to the Cold Fusion ODBC users. The DDL scripts are underneath the \CustomTags\mapoptix\ddl directory in the Cold Fusion software installation directory. The naming format is

database_create_mapoptixversion_datasource.ddl

Where "database" is the short name for the database platform to create the DDL in, like "sybase" or "mssqlsvr", "create" is the action to perform, "mapoptixversion" is the version of MapOptix, in this case 205, and "datasource" is the MapOptix or WALT datasource. The DDL for Microsoft SQL Server is named mssqlsvr_create_205_mapoptix.ddl for the MapOptix datasource and mssqlsvr_create_205_walt.ddl for the WALT datasource.

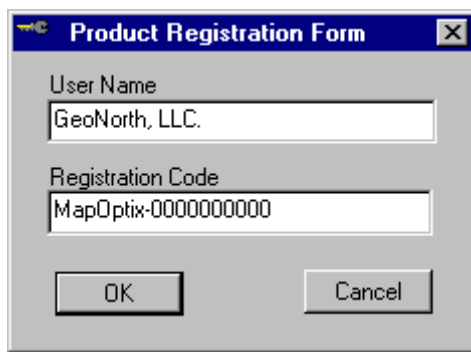
B. Map Server

1. Open Map Server:.



Once you have installed the MapOptix Map Server, you may run the Map Server executable from the desktop shortcut, or open the Map Server application through the Window's Start Menu-> Programs-> MapOptix->Map Server. This should bring up the application in its default state.

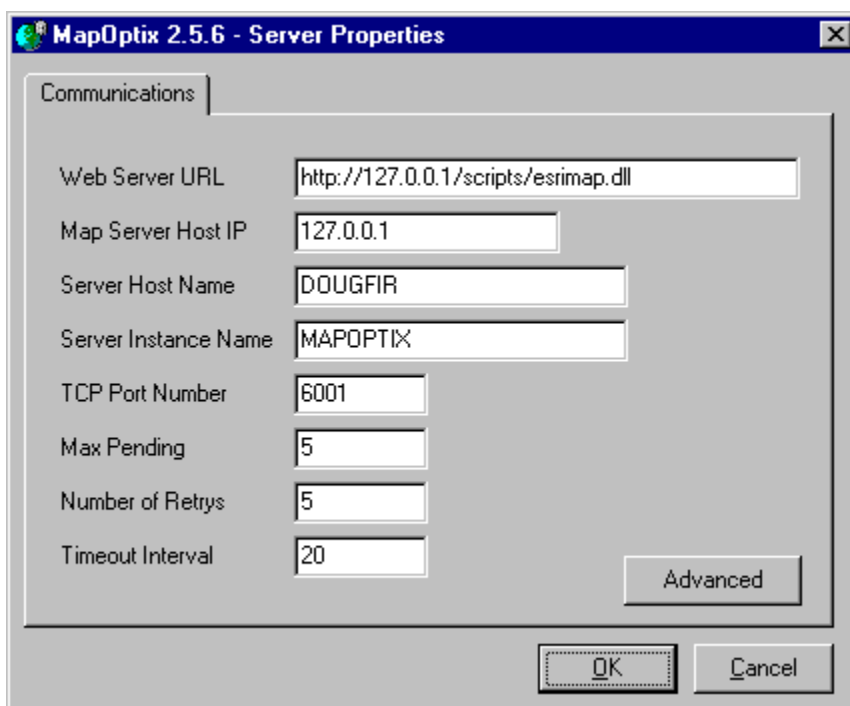
2. MapOptix Registration



The 'Product Registration Form' dialog box contains two text input fields. The first field, labeled 'User Name', contains the text 'GeoNorth, LLC.'. The second field, labeled 'Registration Code', contains the text 'MapOptix-0000000000'. At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

Before the MapOptix server will start, it must be registered. For your registration User and Keycode information please contact GeoNorth, LLC. or visit us on the Word Wide Web at <http://www.mapoptix.com> and follow the links for product registration. Once you have registered your product, the MapOptix Map Server Application should start up.

3. Server Properties:



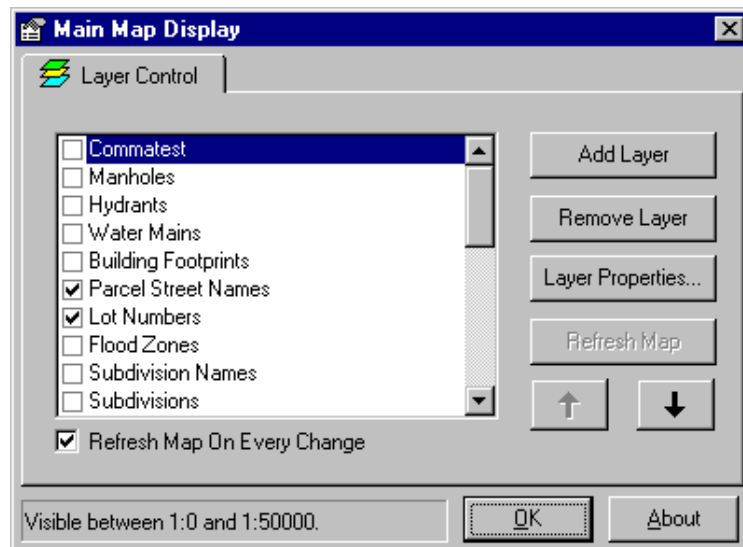
The 'MapOptix 2.5.6 - Server Properties' dialog box has a 'Communications' tab selected. It contains several configuration fields: 'Web Server URL' (http://127.0.0.1/scripts/esrimap.dll), 'Map Server Host IP' (127.0.0.1), 'Server Host Name' (DOUGFIR), 'Server Instance Name' (MAPOPTIX), 'TCP Port Number' (6001), 'Max Pending' (5), 'Number of Retrys' (5), and 'Timeout Interval' (20). An 'Advanced' button is located to the right of the 'Timeout Interval' field. At the bottom right are 'OK' and 'Cancel' buttons.

Pause the map server application. Select the "Server Properties" from the "File" menu option. This will display the form shown above. Use the following guidelines to fill in this form. This information tells the Map Server and Web Server how to communicate with each other.

- A. Web Server URL: This is the full web path to where the MOIMS file "esrimap.dll" is located. E.g. <http://127.0.0.1/scripts/esrimap.dll>.

- B. Map Server Host IP: This is the IP address of the machine the Map Server is running on. E.g. "127.0.0.1".
- C. Server Host Name: This is the name of the machine that the Map Server is running on. E.g. "LocalHost".
- D. Server Instance Name: This is the name you wish to give this instance of the Map Server. E.g. "MapOptix".
- E. Leave the rest of the settings at their default settings. You may come back and adjust these after testing.
- F. Click on the "Advanced" button. This brings up the "Map Server Listening Properties".
- G. Map Server Host IP: This is the listening IP address if you are using a NAT Table to let the Map and Web Server communicate. Most people are not using NAT and should just set the IP to the same address as the one in the "Server Properties" form.
- H. Click on "OK" on the "Map Server Listening Properties" form to update your settings.
- I. Click on "OK" on the "Server Properties" form to update your settings and close the form.

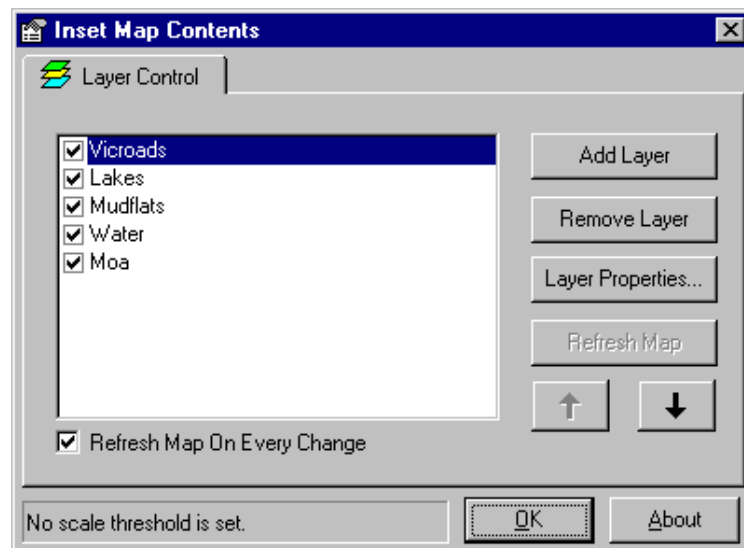
4. Main Map Layers:



Go into the "Edit" menu option and choose "Main Map Properties".

- A. Click on the "Add Layer" button.
- B. Browse your drives and double-click the layers you want to publish with MapOptix.
- C. Once you have selected a few layers, close the browsing box.
- D. Highlight a layer name and click on the "Layer Properties" button. This will give you an interface to set how the selected layer is rendered. Consult the on-line help system for detailed instructions on setting Map Layer properties.
- E. Repeat steps B through C for each set of layers you want to publish. When you are done editing, click the "Apply" button, and then click the "OK" button.
- F. Once all of the layers have been edited, click the "OK" button on the "Layer Control" form.
- G. Go to the "File" menu option and choose "Save Main Map Layers".
- H. Go to the "File" menu option and choose "Save Main Map Extent".

5. Inset Map Layers:



Go into the “Edit” menu option and choose “Inset Map Properties”.

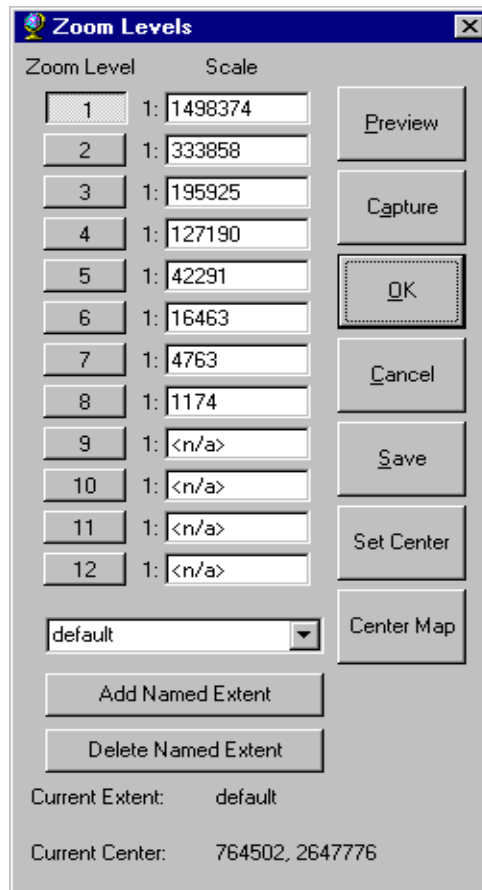
- I. Click on the “Add Layer” button.
- J. Browse your drives and double-click the layers you want to publish with MapOptix.
- K. Once you have selected a few layers, close the browsing box.
- L. Highlight a layer name and click on the “Layer Properties” button. This will give you an interface to set how the selected layer is rendered. Consult the on-line help system for detailed instructions on setting Map Layer properties.
- M. Repeat steps B through C for each set of layers you want to publish. When you are done editing, click the “Apply” button, and then click the “OK” button.
- N. Once all of the layers have been edited, click the “OK” button on the “Layer Control” form.
- O. Go to the “File” menu option and choose “Save Main Map Layers”.
- A. Go to the “File” menu option and choose “Save Main Map Extent”.

6. Map Units:

Go into the “Display” menu option and choose “Map Units”.

- A. Select either “Feet” or “Meters” depending on which unit of measuring your data uses.

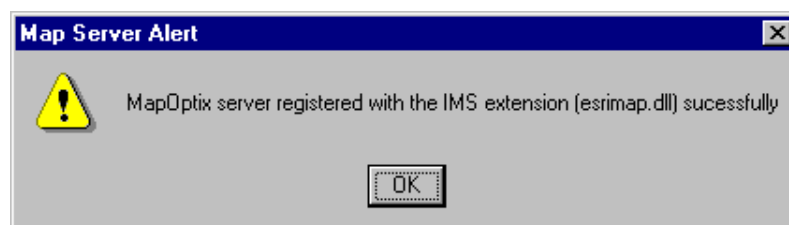
7. Zoom Levels:



Go into the “Display” menu option and choose “Zoom Levels...”.

- Click on the zoom level 1 button.
- Go to the Main Map display and zoom in or out to the scale you want to assign to this zoom level.
- Click on the “Capture” button to assign this scale to this zoom level.
- Repeat steps A through C until all desired zoom levels are set.
- Pan Main Map display until the center of the display is at a point you want for the center of the extent.
- Click the “Set Center” button. The extent center is now set.
- Click on “Save” and then “OK” to finish Zoom Level setup.

8. Finish Map Server Setup:



Click on the “play” button to initialize the Map Server with the new settings.

C. Web Server

The MapOptix login does not always work immediately. This is due to a further configuration step that must be performed on the web server. This step is explained below.

The MapOptix installation does not update the Internet Information Server's configuration information or "Metabase". This is the database that keeps track of permissions for each web directory that IIS manages. As a result, the directory in which MapOptix is installed, if created for the first time, may not function properly, and you may get the following error:

HTTP Error 403

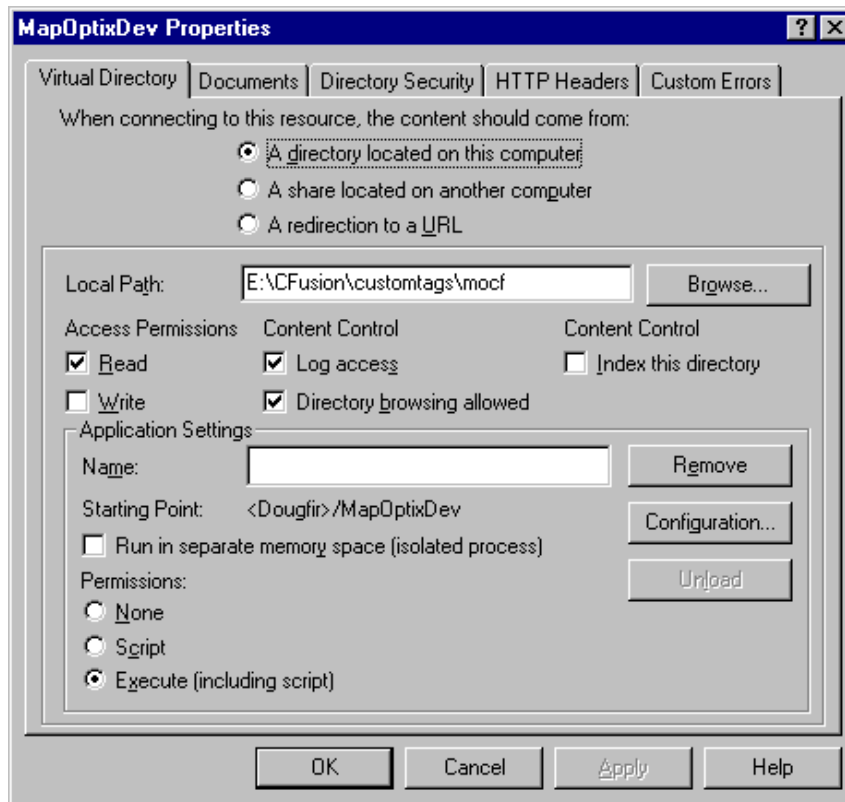
403.1 Forbidden: Execute Access Forbidden

This error can be caused if you try to execute a CGI, ISAPI, or other executable program from a directory that does not allow programs to be executed.

Please contact the Web server's administrator if the problem persists

To remedy this situation, set up a web directory with IIS "Execute" permission on the directory where MapOptix is installed. This is performed through the Microsoft Management Console or the HTML Administrative Interface (depending on which is installed and configured.) As described below, if you do not know how to set up a web directory with "Execute" permission, please consult your web master or system administrator.

1. IIS Directory Setup:



Open up your IIS Internet Services Manager.

- Browse down to the "MapOptix" directory in the directory tree listing. It will be located under the "Default Browser" listing.
- Right click on the "MapOptix" directory to bring up the Properties dialog box.
- Change the permissions setting from "Script" to "Execute (including script)".
- Click "Apply" then "OK" to update the setting.

2. Admin Login:

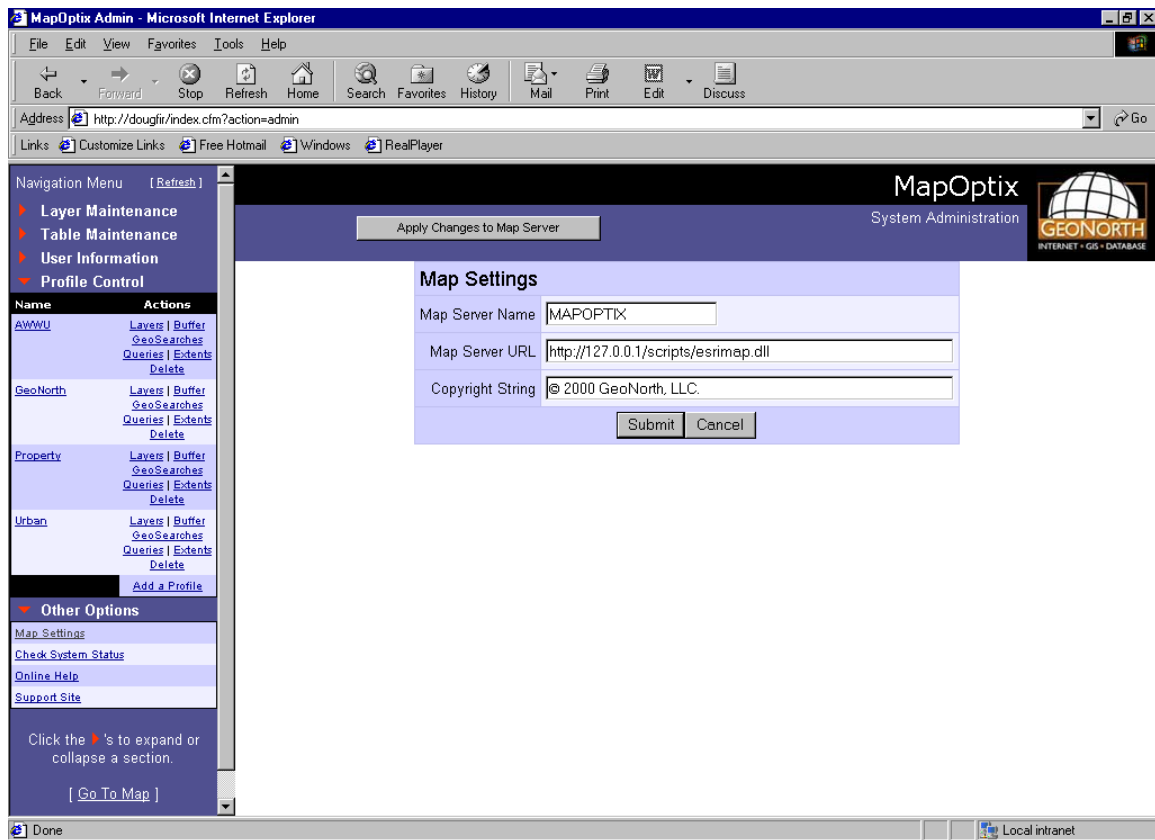


Open up the MapOptix Login web page. Using the MapOptix Login shortcut the MapOptix installation automatically put on your desktop, or open your web browser and go to the following URL:
<http://<hostname>/mapoptix/index.cfm>.

- A. Enter "Admin" for the "User Name". This is the default user.
- B. Enter "Admin" for the "Password". This is the default password.
- C. Click on the "User Admin" option.
- D. Click on the "Submit" button.

3. Map Settings:

Now you need to tell MapOptix how to communicate with the Map Server.

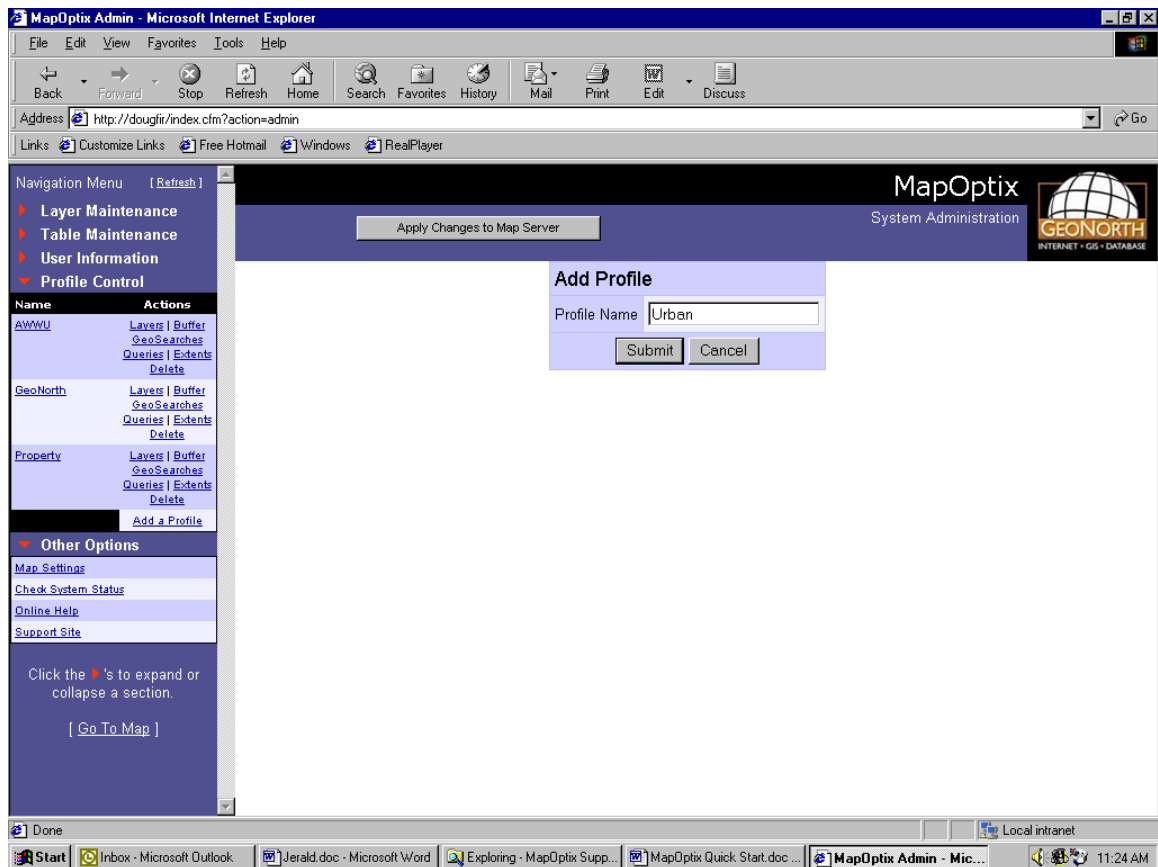


In the Administrative Interface shown above, click on the “Map Settings” link under the “Other Options” menu.

- A. Map Server Name: Enter the same name entered for the “Server Instance Name” in the “Server Properties” form in the Map Server. E.g. “MapOptix”.
- B. Map Server URL: This is the full web path to the MOIMS file “esrimap.dll”. E.g. “<http://127.0.0.1/scripts/esrimap.dll>”.
- C. Copyright String: This is a string you wish to have displayed on all map images that end users see. E.g. “© 2000 GeoNorth, LLC”.
- D. Click on the “Submit” button.

4. Add Profile:

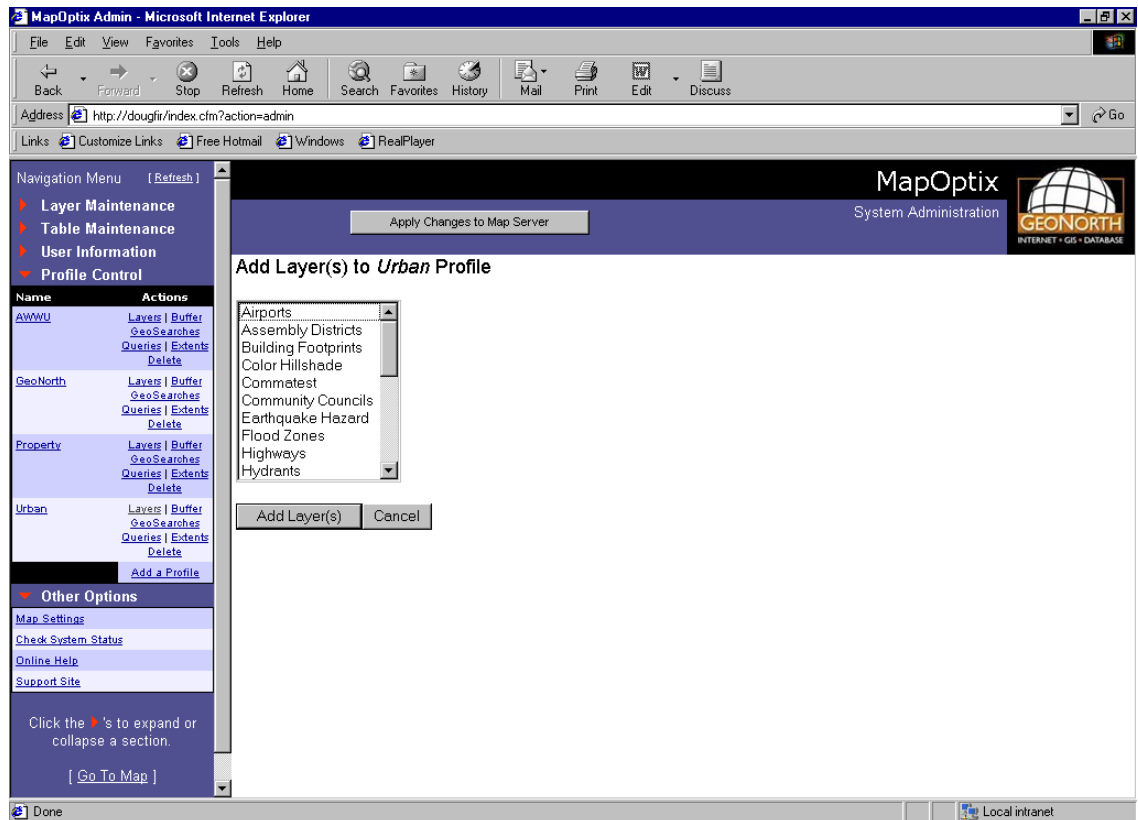
At this point, you're ready to start creating "profiles." These are customized sets of information and functionality that you'll make available to specific users.



Click on the “Add a Profile” link under the “Profile Control” menu.

- A. Input a desired name for the profile. E.g. “Land Use”.
- B. Click on the “Submit” button.

5. Add Layers:



Click on the “Layers” link under the newly created profile.

- A. Click on the “Add Layers” link.
- B. Choose the layers you want to add. Use the “ctrl” and “shift” keys to select multiple layers.
- C. Click on the “Add Layers” button. These layers are now available to use for this profile.

6. Add User to Profile:

Click on the ► button next to the “User Information” menu. This will display the search form to find user account information.

- Click the “Submit” button with the “Profile” set to “Any Profile”, and the “Username” left blank. This will bring up a list of all users.
- Click the “Admin” user link. This will bring up a form with the account information for this user. The “Admin” user is the default user account.
- Select the newly created profile from the list under the “Profile(s)” section.
- Click on the “Apply Changes” button. The “admin” user is now added to the new profile.

7. Finish Web Server Setup:

MapOptix Admin - Microsoft Internet Explorer

Address: http://dougfir/index.cfm?action=admin

Navigation Menu: [Refresh]

- Layer Maintenance
- Table Maintenance
- User Information
- Profile Control

System Status

Component	Status
Map Database	FOUND
Map Settings	LOADED
Map Server	CONNECTED
Map Extents	DEFINED
Layers	32 DEFINED
Extents Defined	5 DEFINED
Profile (Current User)	ASSIGNED

MapOptix Active Files

Filename	Size	Last Modified
CustomIE4_dsp_BufferForm.cfm	3,700	14-Feb-00
CustomIE4_dsp_Frameset.cfm	2,295	15-Feb-00
CustomIE4_dsp_JavaScript.cfm	10,034	14-Feb-00
CustomIE4_dsp_Locator.cfm	959	14-Feb-00
CustomIE4_dsp_Map.cfm	12,300	14-Feb-00
CustomIE4_dsp_Refresh.cfm	4,272	14-Feb-00
CustomNS4_dsp_BufferForm.cfm	3,948	14-Feb-00
CustomNS4_dsp_Frameset.cfm	2,428	15-Feb-00
CustomNS4_dsp_JavaScript.cfm	2,828	14-Feb-00
CustomNS4_dsp_Locator.cfm	721	14-Feb-00
CustomNS4_dsp_Map.cfm	8,181	14-Feb-00

- Click the "Check System Status" link under the "Other Options" menu. All of the components listed should be displayed in green text. If they're not, review/troubleshoot your server settings.
- Click on the "Go To Map" link to start mapping.

Notes

If you receive error messages stating that the web and map servers cannot communicate, review/repeat all of the above steps

MapOptix Admin - Microsoft Internet Explorer

Address: <http://dougfr/index.cfm?action=admin>

MapOptix System Administration

MapOptix 2.0.5

System Status

Component	Status
Map Database	FOUND
Map Settings	LOADED
Map Server	NOT FOUND
Map Extents	DEFINED
Layers	32 DEFINED
Extents Defined	5 DEFINED
Profile (Current User)	ASSIGNED

Verify that none of the following problems are true:

- Map server is not running
- Map server URL is not correct
- Map server name is wrong
- There are connection problems between the Web and Map Server

MapOptix Active Files

Filename	Size	Last Modified
CustomIE4_dsp_BufferForm.cfm	3,700	14-Feb-00
CustomIE4_dsp_FrameSet.cfm	2,295	15-Feb-00
CustomIE4_dsp_JavaScript.cfm	10,034	14-Feb-00
CustomIE4_dsp_Locator.cfm	969	14-Feb-00
CustomIE4_dsp_Map.cfm	12,300	14-Feb-00
CustomIE4_dsp_Refresh.cfm	4,272	14-Feb-00
CustomNS4_dsp_BufferForm.cfm	3,948	14-Feb-00
CustomNS4_dsp_FrameSet.cfm	2,428	15-Feb-00

or

http://dougfr/index.cfm?action=MapScreen - Microsoft Internet Explorer

Address: <http://dougfr/index.cfm?action=MapScreen>

Error Diagnostic Information

An error has occurred. This is either due to user error, or system malfunction. Please document your actions and contact the system administrator.

Error Message:
Cannot talk to the Map Server

Possible Causes:

- Map server is not running (or not set to listen)
- Map server IP address is not correct
- Map server name is wrong
- There are connection problems between the Web and Map Server

[[System Admin](#)]

Part IV. Appendix

Getting More Information

A. Readme Files

Please consult the mapoptix_readme.txt file in your MapOptix program folder. This file includes further information on setup and configuration, plus last-minute updates. There is also a README.txt in the root directory of the CD-ROM. This document contains information on the components included with the MapOptix CD.

B. Online Help

Consult the MapOptix help file to get detailed information on configuring MapOptix. You can find the windows version of the help file under the Windows Start Menu, Programs-> MapOptix -> MapOptix Help File. An HTML version of the help file can be accessed at <http://127.0.0.1/mapoptix/help/mapoptix.htm>.

C. Support Site

Registered users can keep abreast of the latest MapOptix developments at the MapOptix Support Site. This site also contains patches/updates, FAQ's, user group information, and a user forum. The support site is located at <https://www.geonorth.com/mapoptixsupport/>.

APPENDIX D.2

GIS DATA DICTIONARY

DATA DICTIONARY FOR THE APCDS-GIS

Available Data Layers

All feature layers are stored as ESRI Shape files. For each data layer a quick description of the layer, its source and attributes available in MapOptix will be described. All data is stored in a custom projection with the following characteristics:

- An Albers Conic equal area projection was chosen to preserve area measurements and reduce distortion of linear scale and shape. The datum is NAD27 and the units are meters.

The exact specs of this projection are as follows:

- 1st standard parallel = 55 deg 0min
- 2nd standard parallel = 65 deg 0min
- Central Meridian = -154 deg 0min
- Latitude of projections origin = 50 deg 0 min
- False easting = 0 meters
- False northing = 0 meters

1999 Community Populations

This point feature layer was generated from the latitude and longitude information contained in the DCED Alaska Community Database Online. All 288 towns represented in this study are in the theme. Note that the population data is from the "Current Population" (1999) field in the DCED. This is the same population data used in the APCD.

Attribute name	Data Type	Description
Community	String	Community name from DCED
Pop99	Numeric	1999 town population

Airports

This point layer was obtained from the DCED Alaska Community Database Online. Actual point features were taken from the community point layer.

Attribute name	Data Type	Description
Name	String	Community name of airport

Alaska Pipeline

This arc layer was obtained from the Alaska DNR. There are no attributes associated with this layer.

Alaska.sid

This image was supplied by GeoNorth, LLC. The .sid format was created using Mr. SID image compression software developed by LizardTech Inc. There are no attributes associated with image layers.

Boroughs

This polygon layer was obtained from the Alaska DNR. There are 16 boroughs in Alaska.

Attribute name	Data Type	Description
Borough	String	Borough Name

Census Areas

This polygon layer was obtained from the ESRI data CD. Two polygons were added for the two newest census areas. Currently there are 27 census areas in Alaska.

Attribute name	Data Type	Description
Community	String	Community name from DCED
Unmet Need	Currency	Unmet need of census area in thousands of dollars
Pop1990	Numeric	1990 town population
Pop99	Numeric	1999 town population

Communities by Unmet Need

This point feature layer was generated from the latitude and longitude information contained in the DCED Alaska Community Database Online. All 288 towns represented in this study are in the theme.

Attribute name	Data Type	Description
Community	String	Community name from DCED
Unmet Need	Currency	Unmet need of community in thousands of dollars
Census Area	String	Census area name that town falls in
Borough	String	Borough name that town falls in
Reg. Health Corp	String	Regional health corporation town is affiliated with
House District	Numeric	House electoral district town is in
Senate District	String	Senate electoral district town is in

Elections: House Districts

This polygon layer was obtained from the ESRI data CD. There are 40 house election districts in Alaska.

Elections: Senate Districts

This polygon layer was obtained from the ESRI data CD. There are 20 senate election districts in Alaska.

Hospitals

This point layer was obtained from the ESRI data CD. This layer represents towns with full service hospitals, some towns may have more than one hospital. There are 19 towns in Alaska with hospitals.

Attribute name	Data Type	Description
Name	String	Community name that has hospital
Type	String	Types of facilities available

Marine Highways

This arc layer was obtained from the ESRI data CD. There are no attributes associated with this map layer.

Native Corporations

This polygon layer was obtained from the ESRI/UAA Alaska in Maps CD. The polygons in this layer only cover land. There are 13 native corporations in Alaska.

Attribute name	Data Type	Description
Native corporation	String	Name of corporation

Native Corporations (Outlines)

This polygon layer was obtained from the Alaska DNR. This layer differs from the above layer in that the polygons cover both land and ocean. There are 13 native corporations in Alaska.

Attribute name	Data Type	Description
Native corporation	String	Name of corporation

Railroads

This arc layer was obtained from the ESRI data CD. There are no attributes associated with this feature

Rivers

This arc layer was obtained from the ESRI data CD.

Attribute name	Data Type	Description
River name	String	Name of river

Roads

This arc layer was obtained from the Alaska DNR.

Attribute name	Data Type	Description
Road name	String	Name of road

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